

Fig.1

TEAM 1	TEAM 2	EVENT
Player 1		
Player 2	Player A	2-point
Player 3	Player B	3-point
Player 4	Player C	Foul
Player 5	Player D	Free Throw
	Player E	_____
_____	_____	

Fig.2

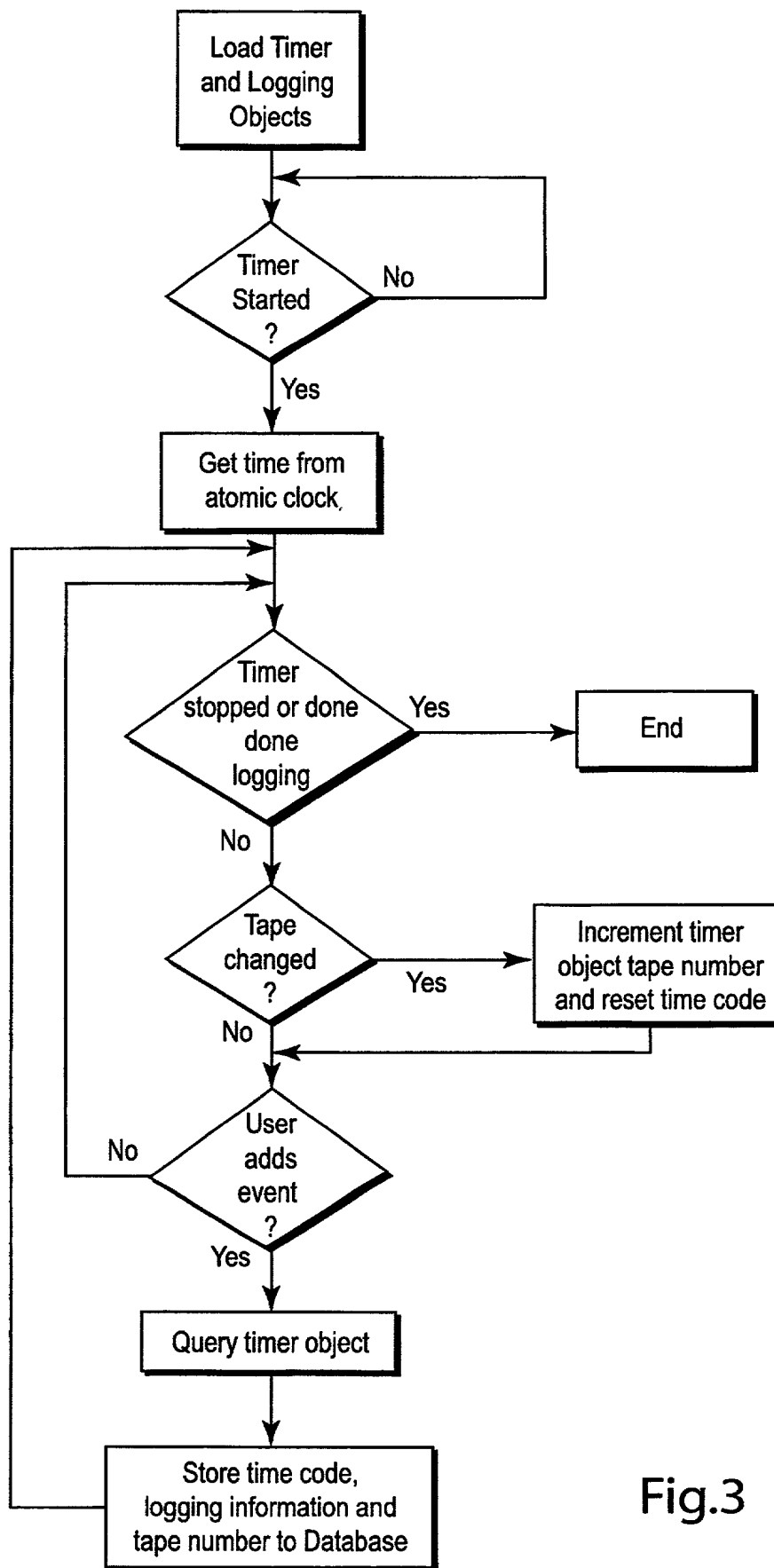
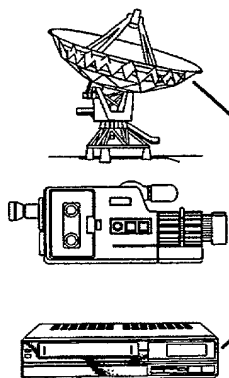


Fig.3

Capture Bridge



Media Pump

Video Encoding

3rd Party: Optibase

Application Server

3rd Party: iPlanet

Security

3rd Party

Storage

3rd Party: EMC or Sun

Video Server

Logging Application

Custom Reporting

3rd Party: iNETSoft

Network



Logger 1



Viewer

...



Browser



Logger 2

Fig.4

00/320008

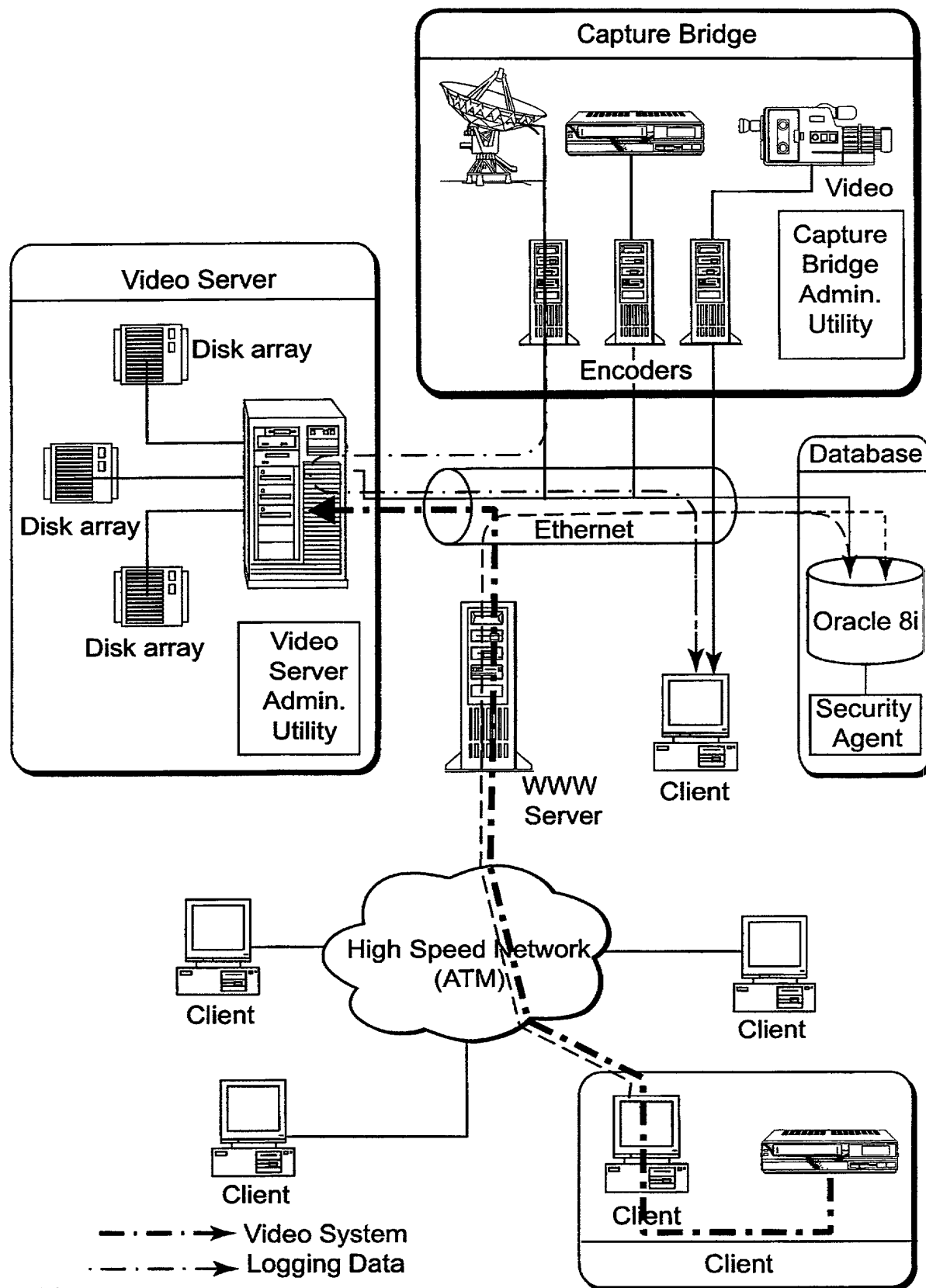


Fig.5

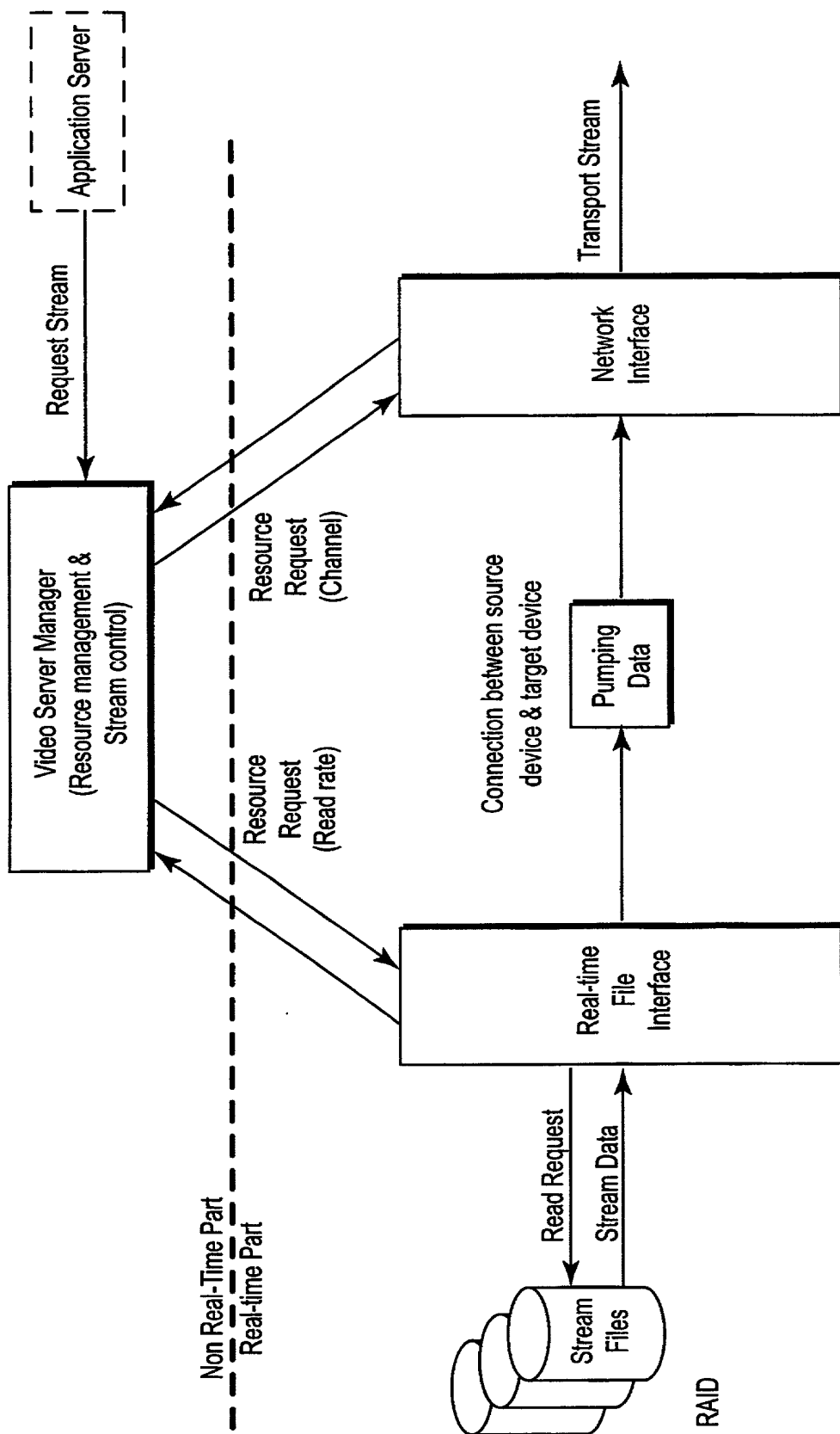


Fig.6 The video Server Architecture

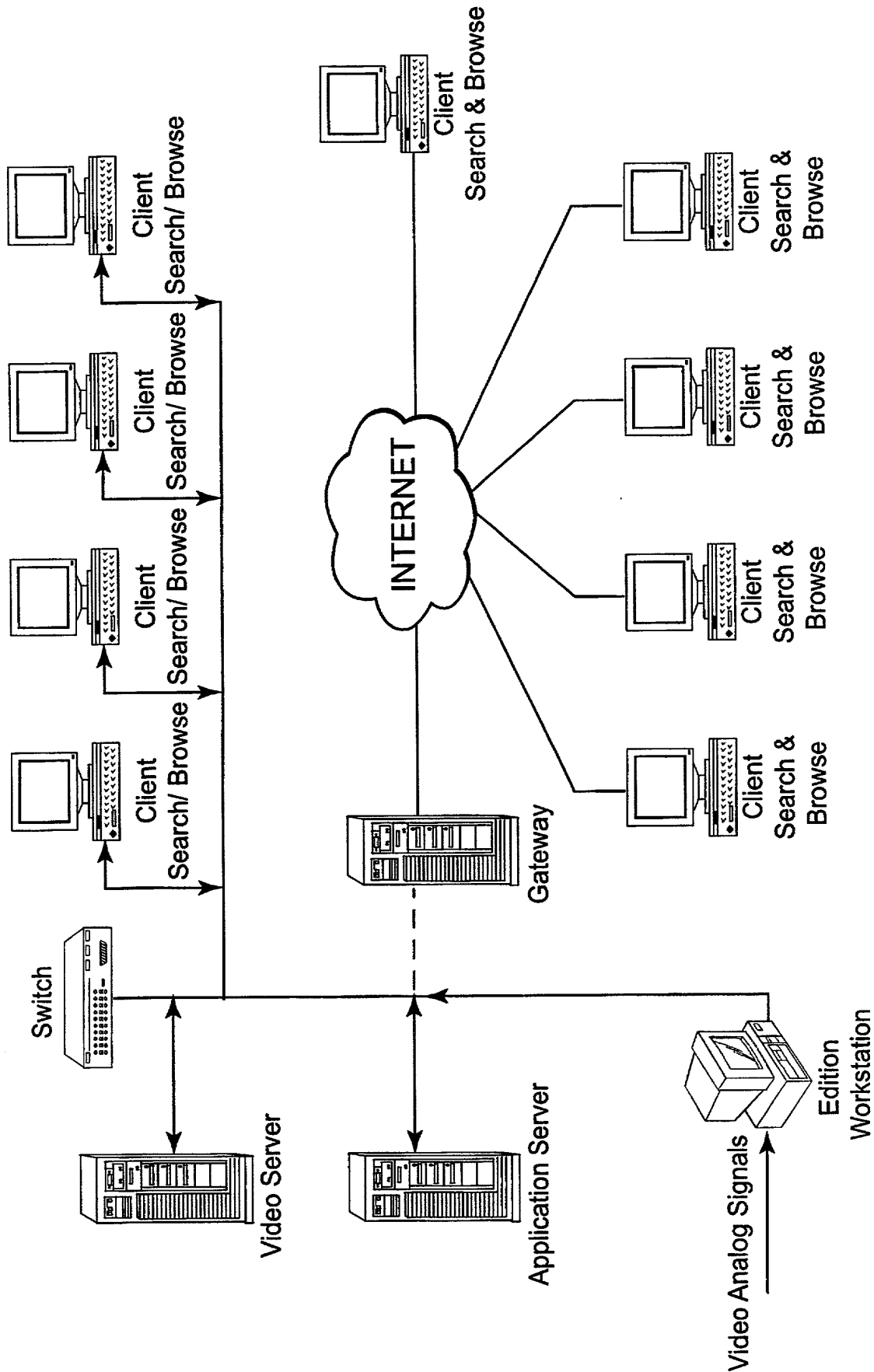


Fig.7a The video content management system architecture

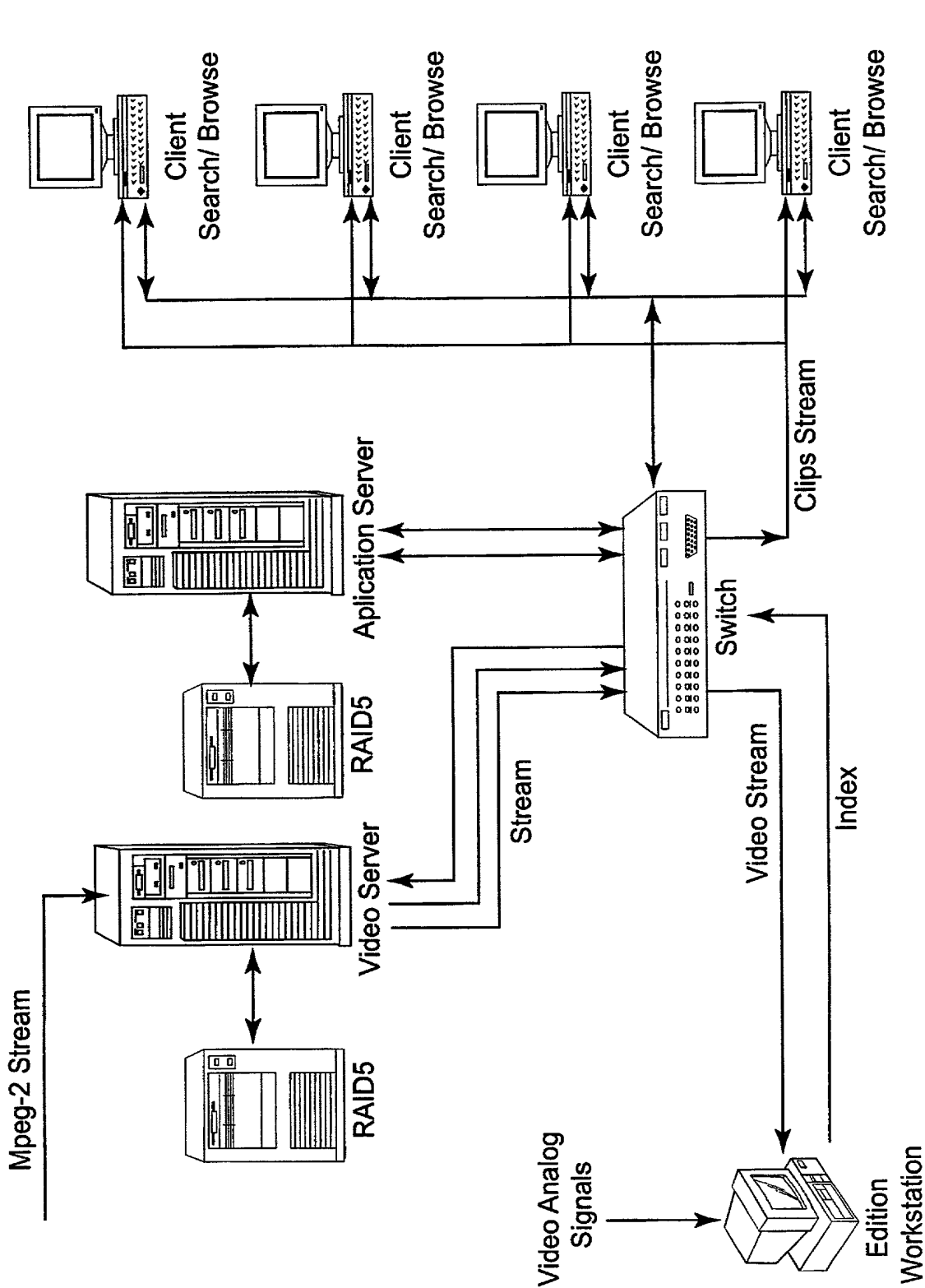


Fig.7b The signals diagram of Video Content Management System

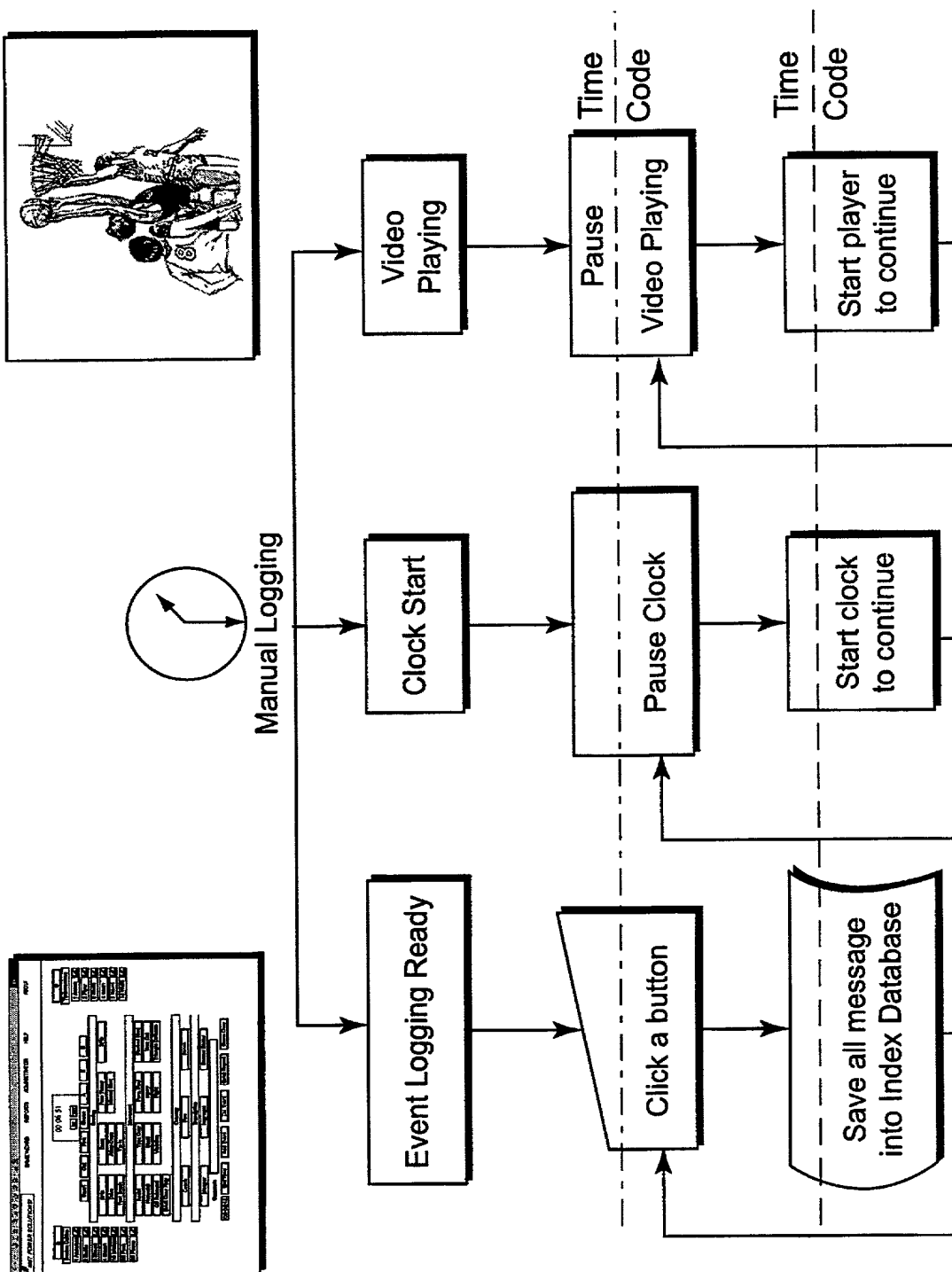


Fig.8a Manual Logger Flowchart

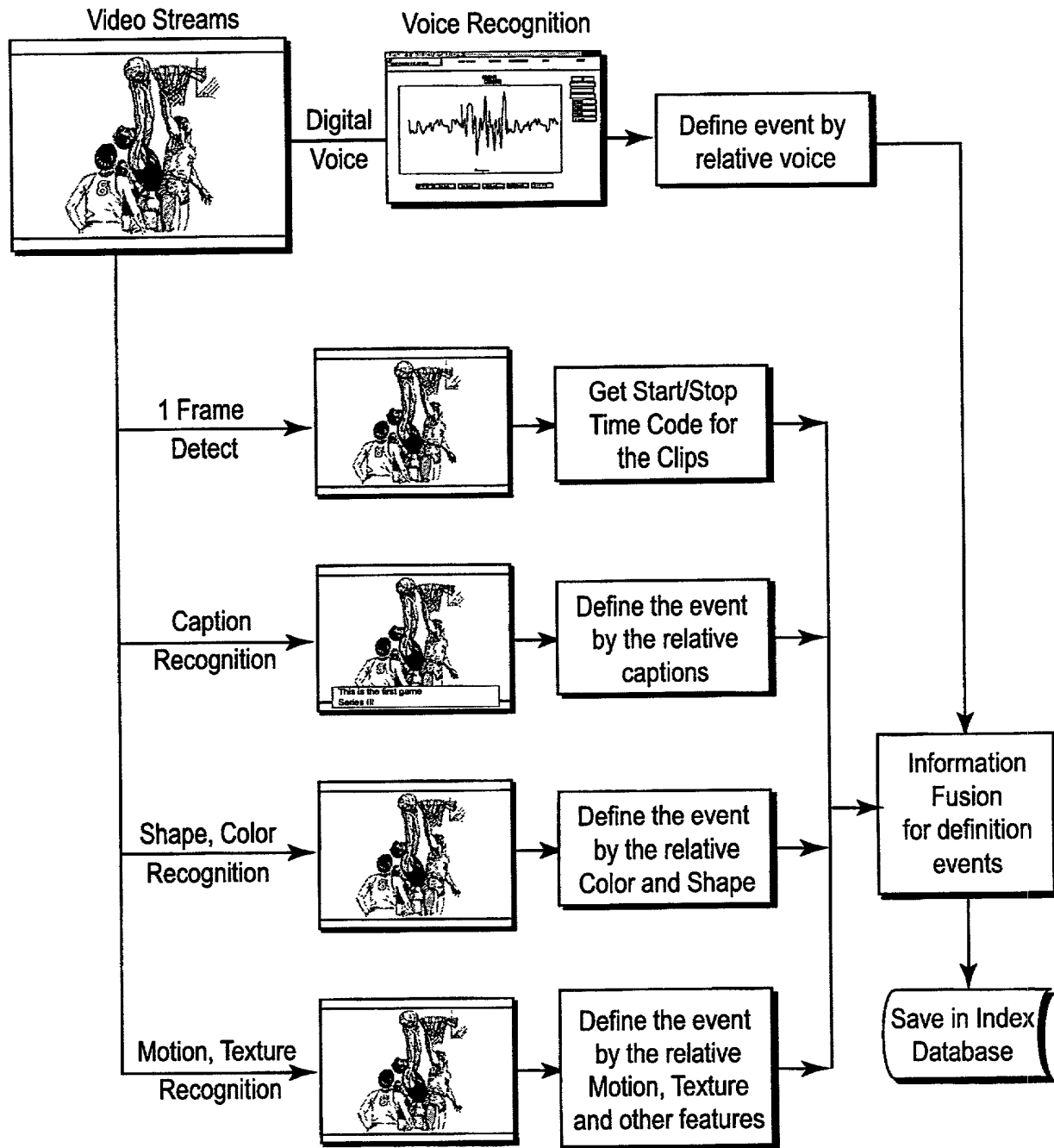


Fig.8b Automatic Logger Flowchart

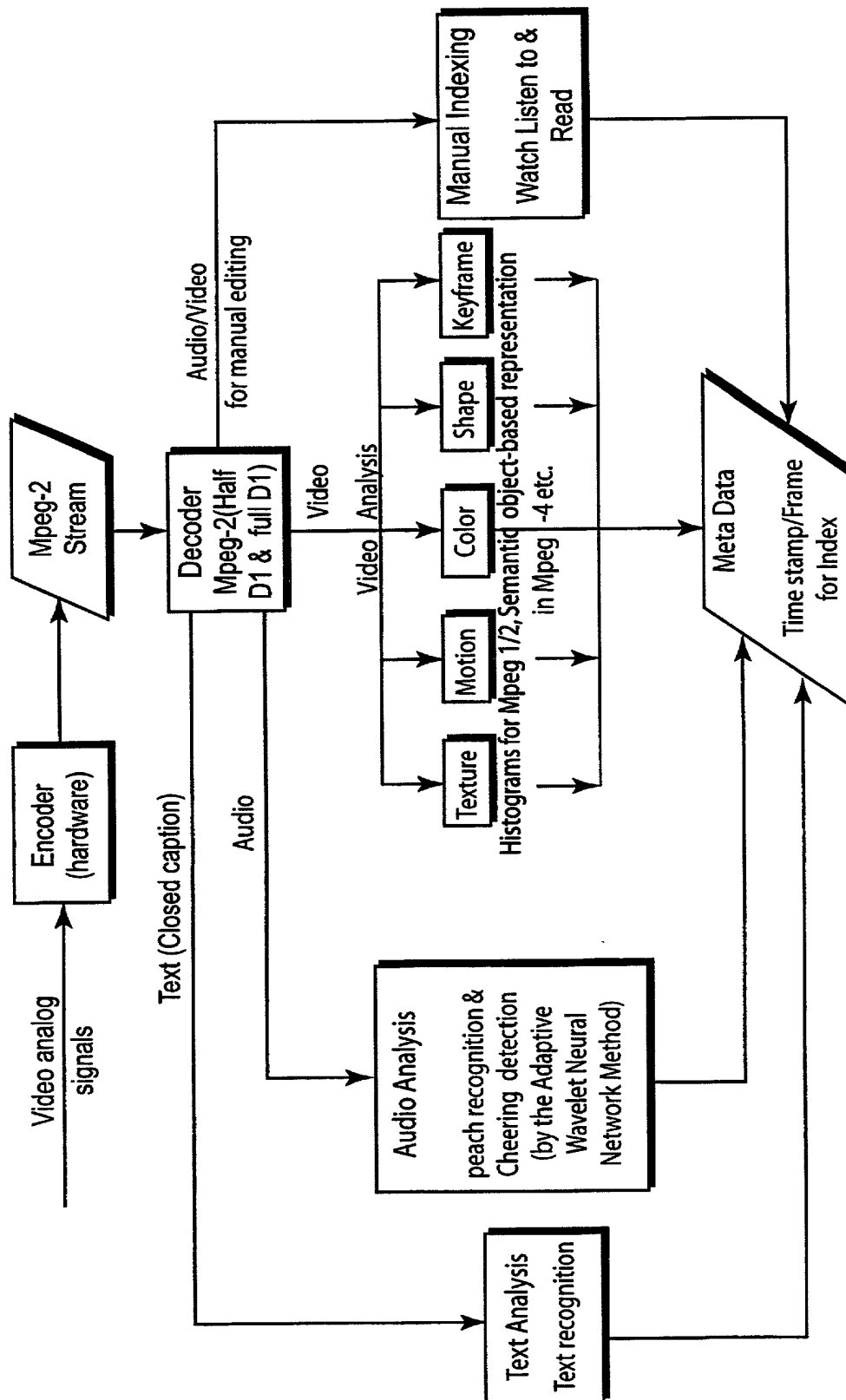


Fig.8c Video Indexing in the Edition Workstation (Manual Logger)

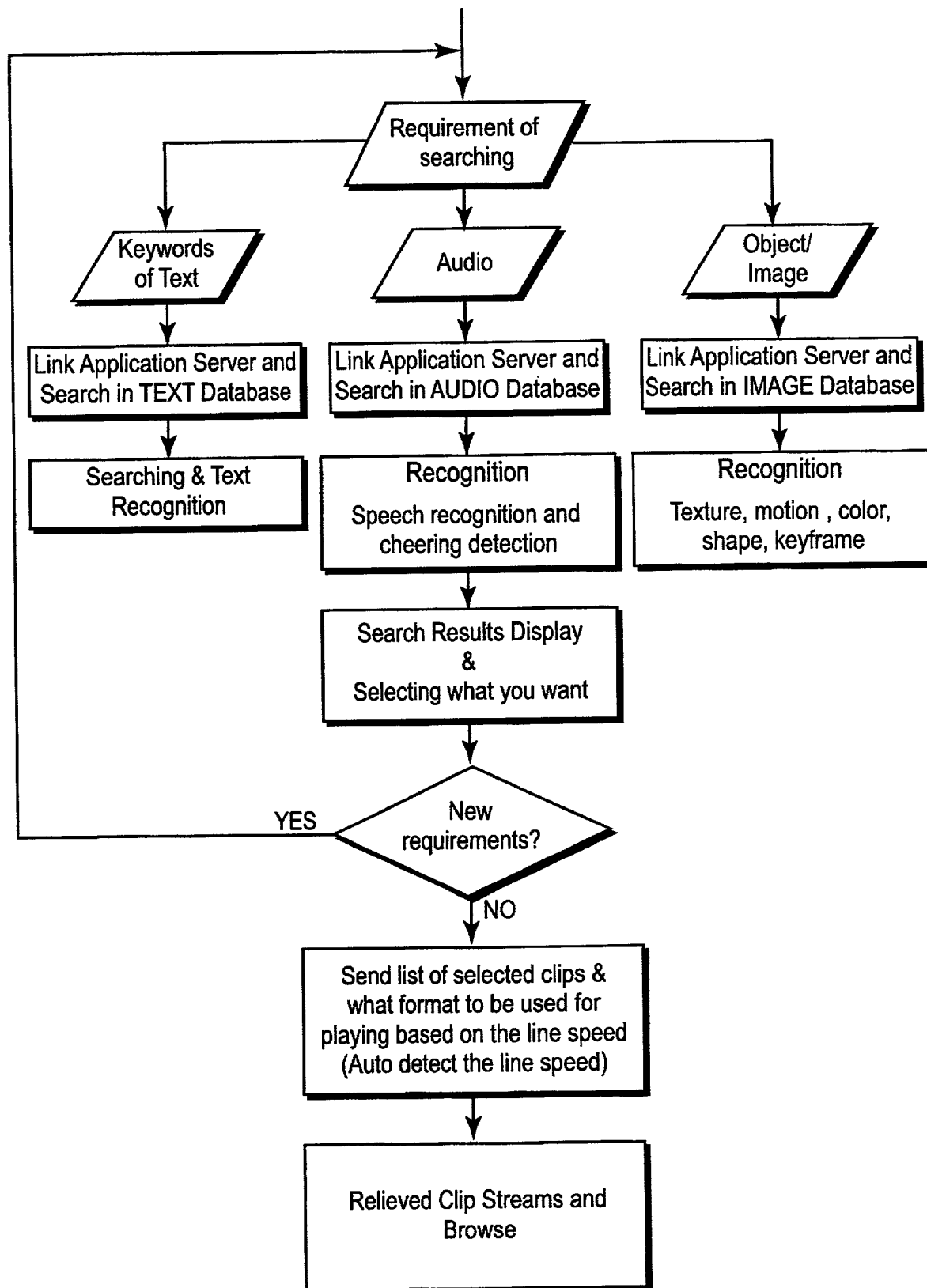


Fig.8d Search and Browse in the Clients

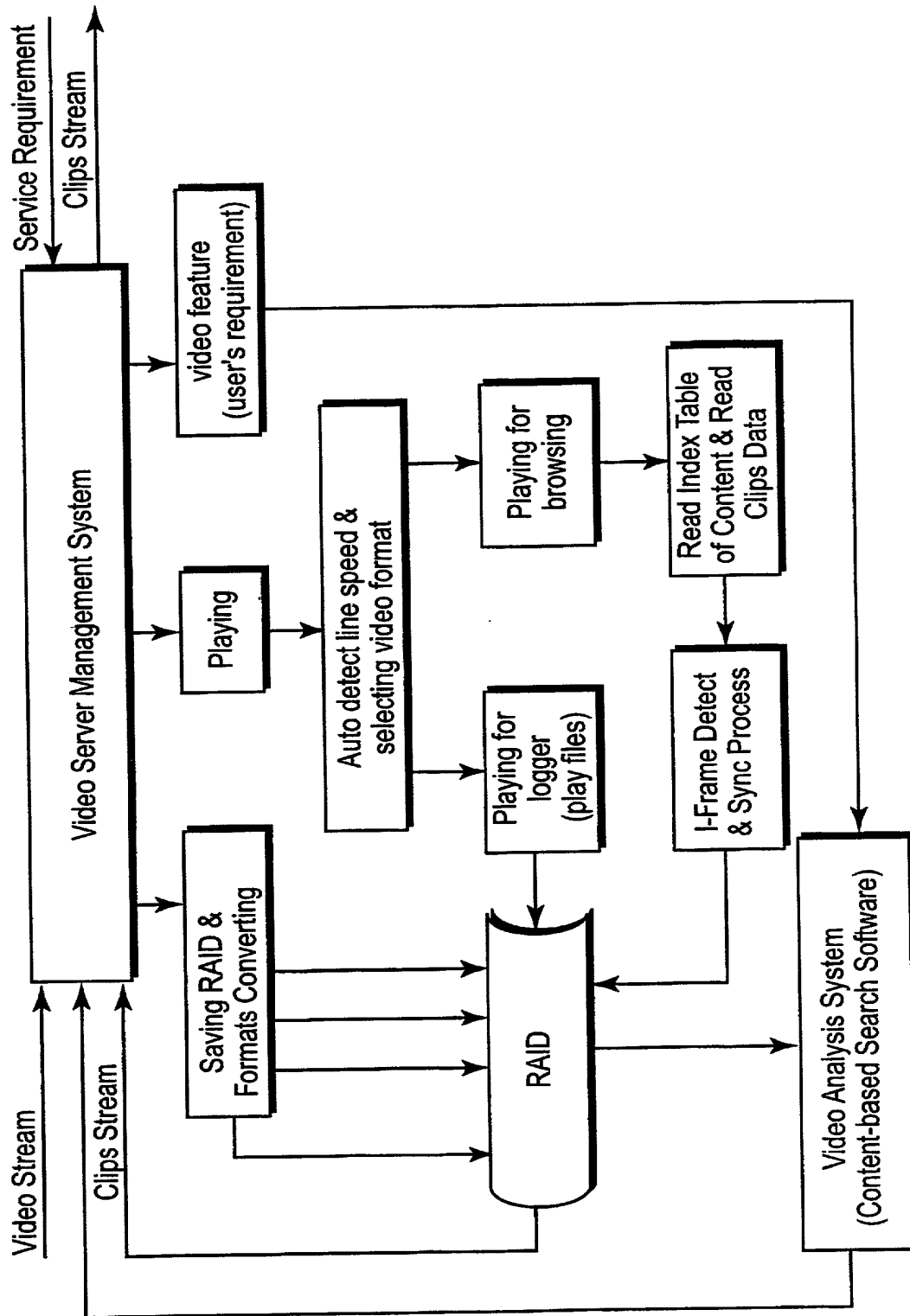


Fig.8e Video Server Flow Diagram

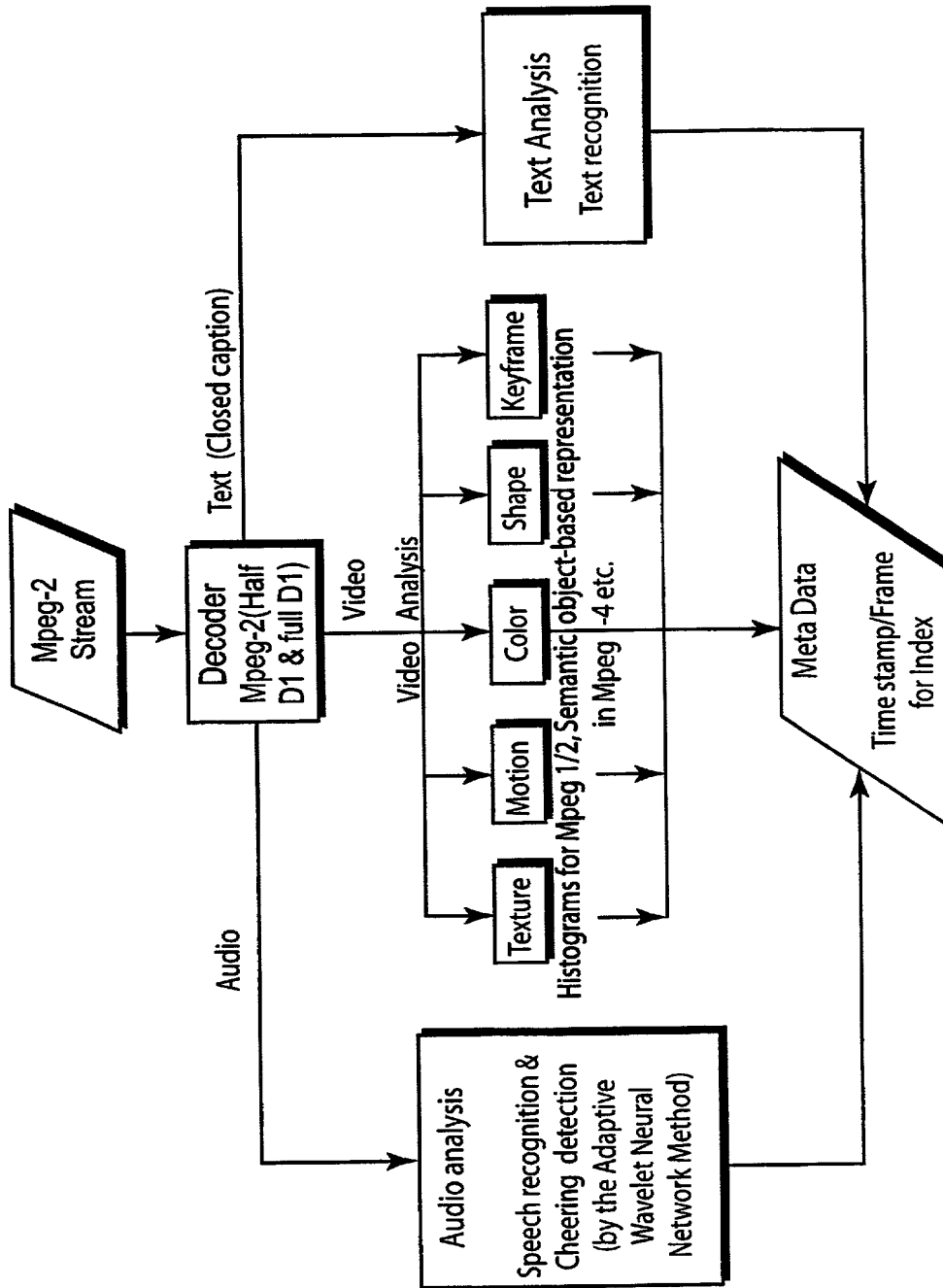


Fig.8f Video Analysis Subsystem Flow Diagram

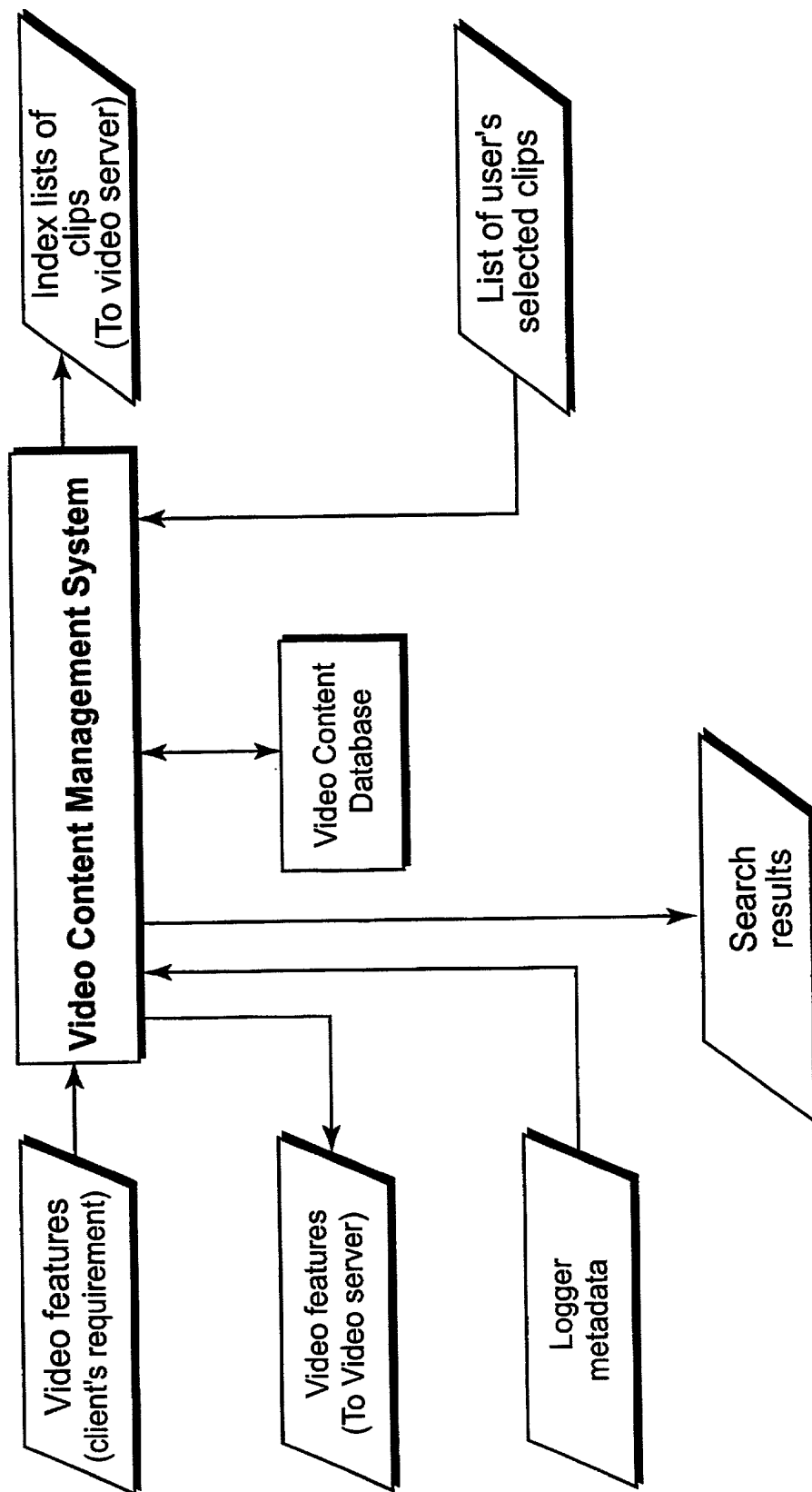


Fig.8g Application Server Flow Diagram

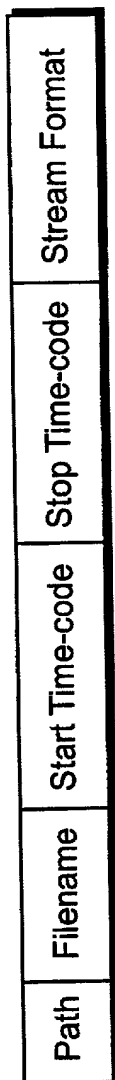


Fig.9 Video Frame Index Format

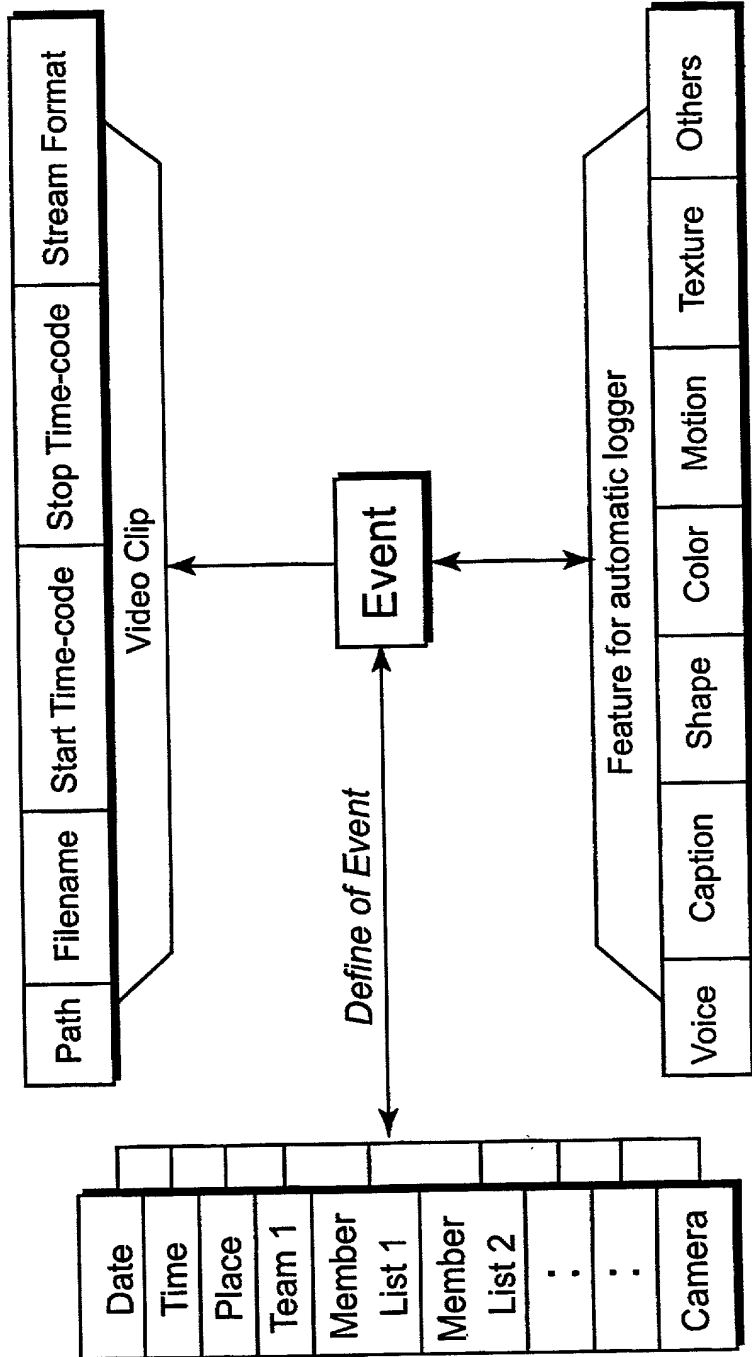


Fig.10 The Relationship between the Video Index, Features and Event Database.

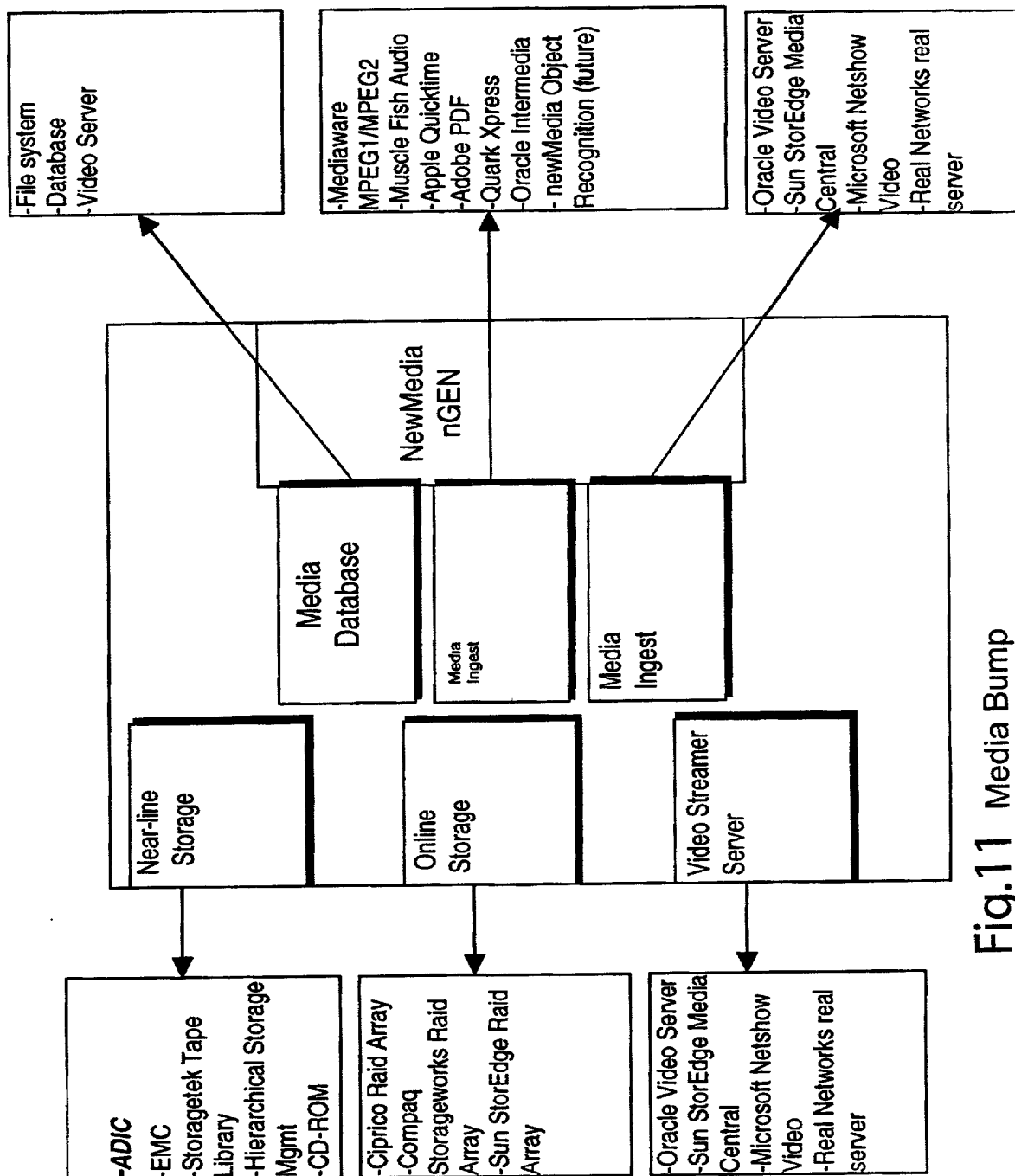


Fig.11 Media Bump

09/806008

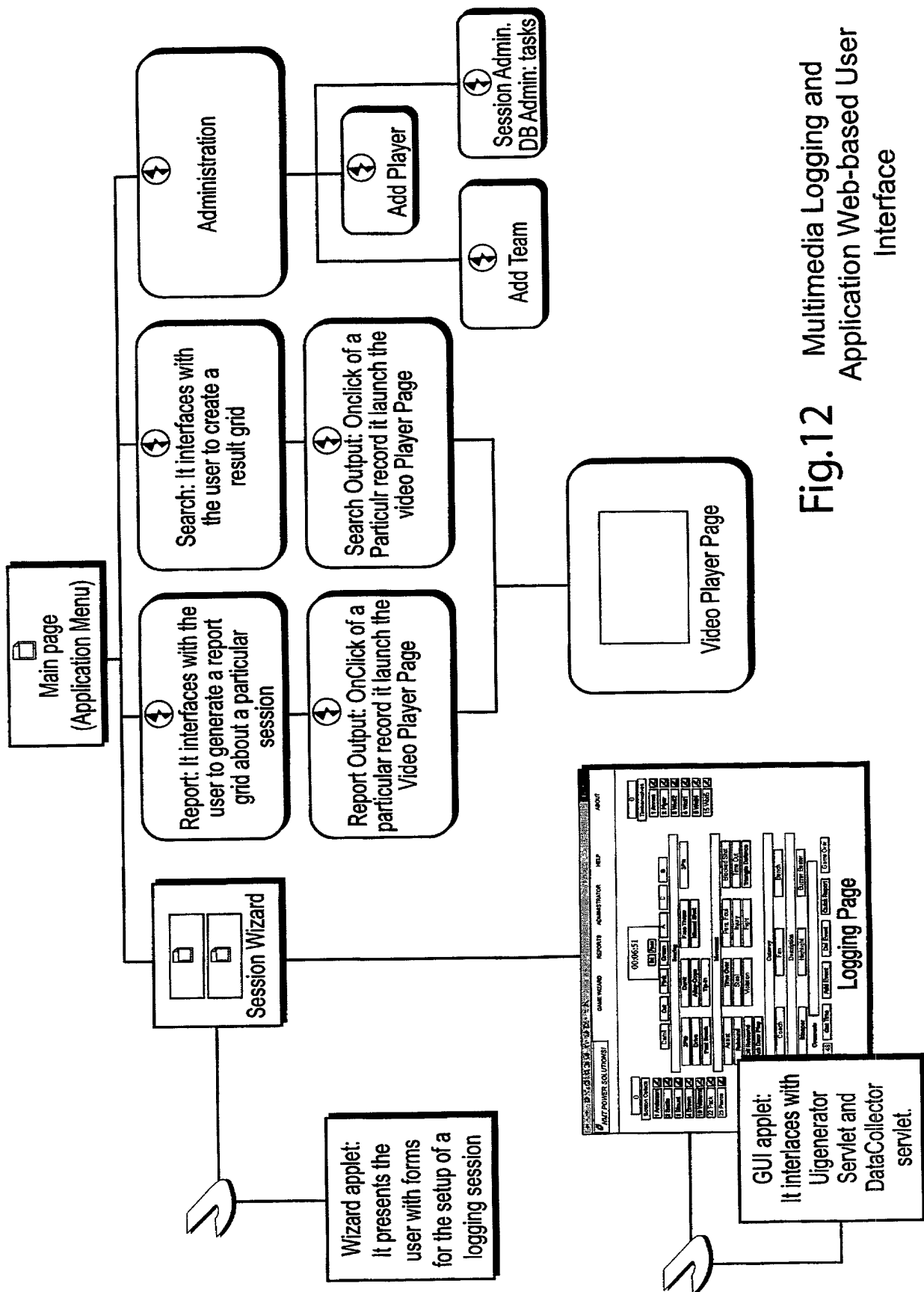


Fig.12 Multimedia Logging and Application Web-based User Interface

Database Table

GroupName	NumberOfElems	Xpos	Ypos	bckground
NMT	15	300px	250px	Red
ComNet	2	500px	250px	

Fig.13

CustID	Cust. Name	ElmType	Dbclick	Click	GroupNam e	Xpos	Ypos
1	Charles Smith	Button	List	Select	NMT	0	0
2	Alphonso Hamilton	Button	List	Select	NMT	1	0
3	Rafael Cortina	Button	List	Select	NMT	0	1
4	Rovi	Button	List	ExSelec t	ComNet	0	0
5	Cliff	Button	List	ExSelec t	ComNet	1	0

Fig.14

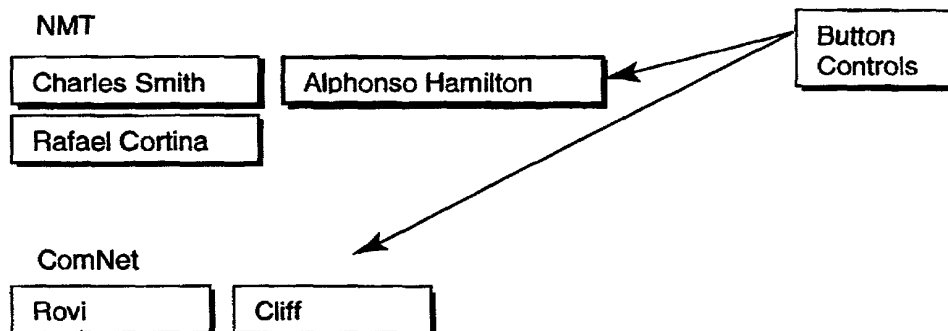


Fig.15

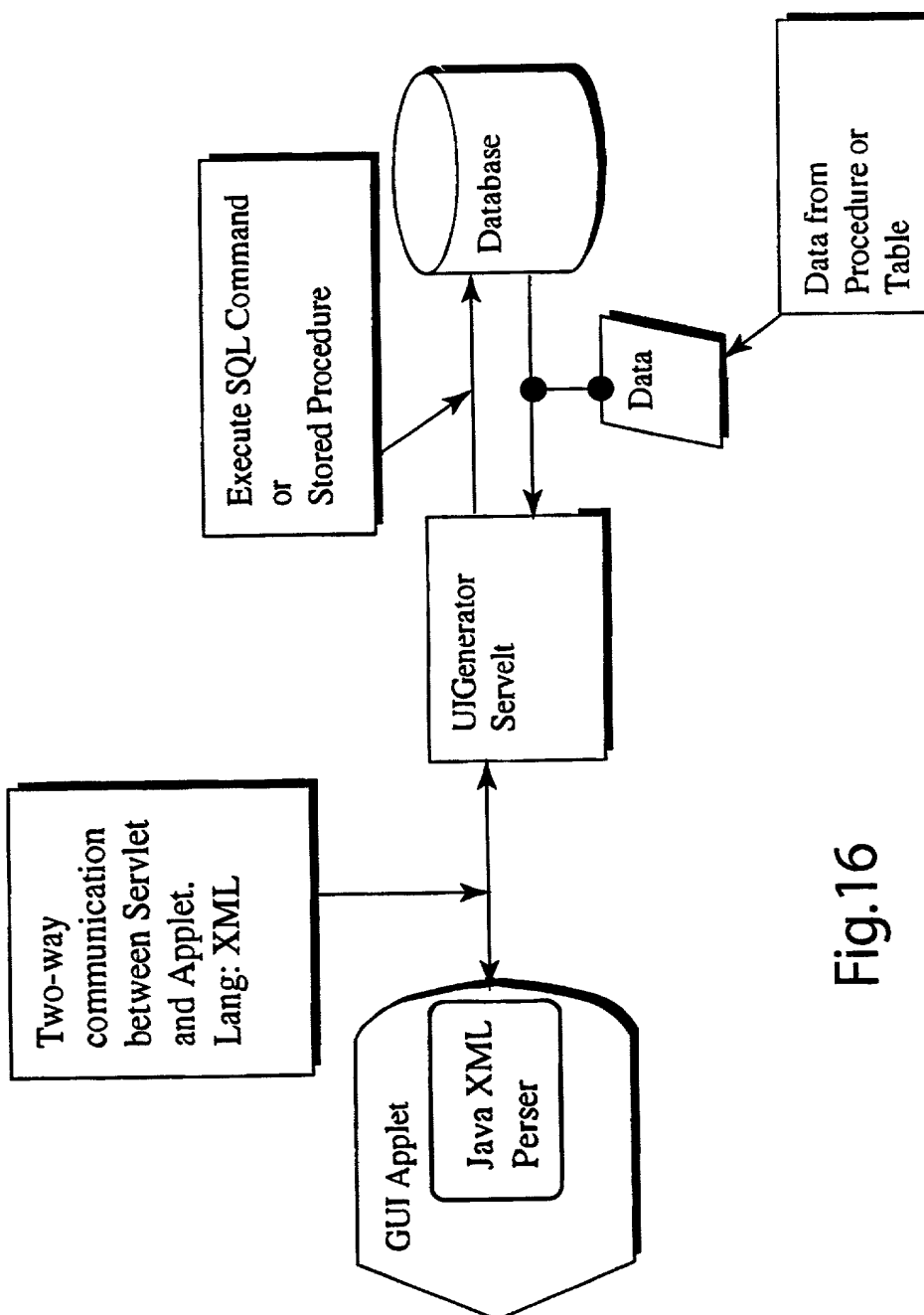


Fig.16

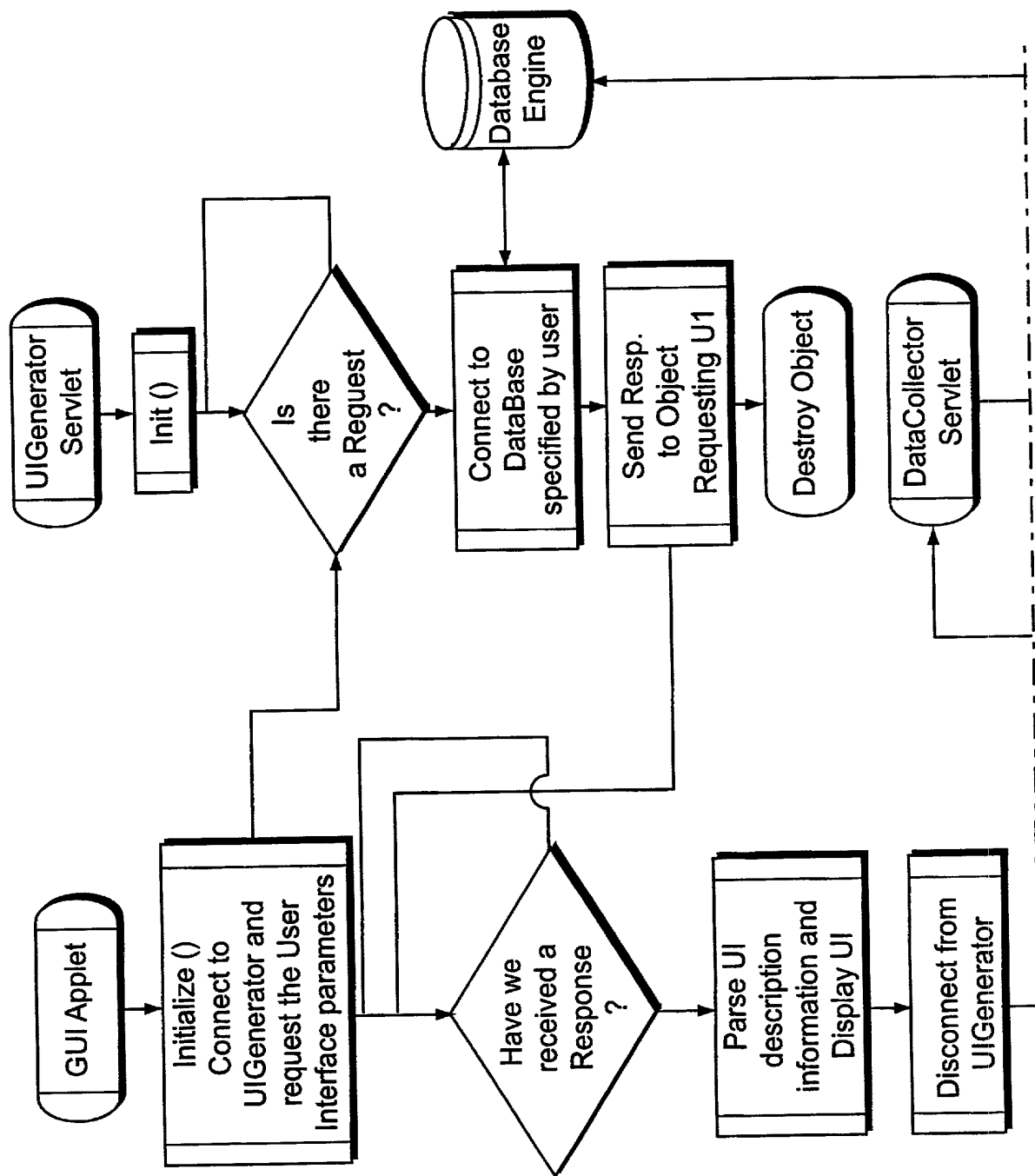


Fig.17a

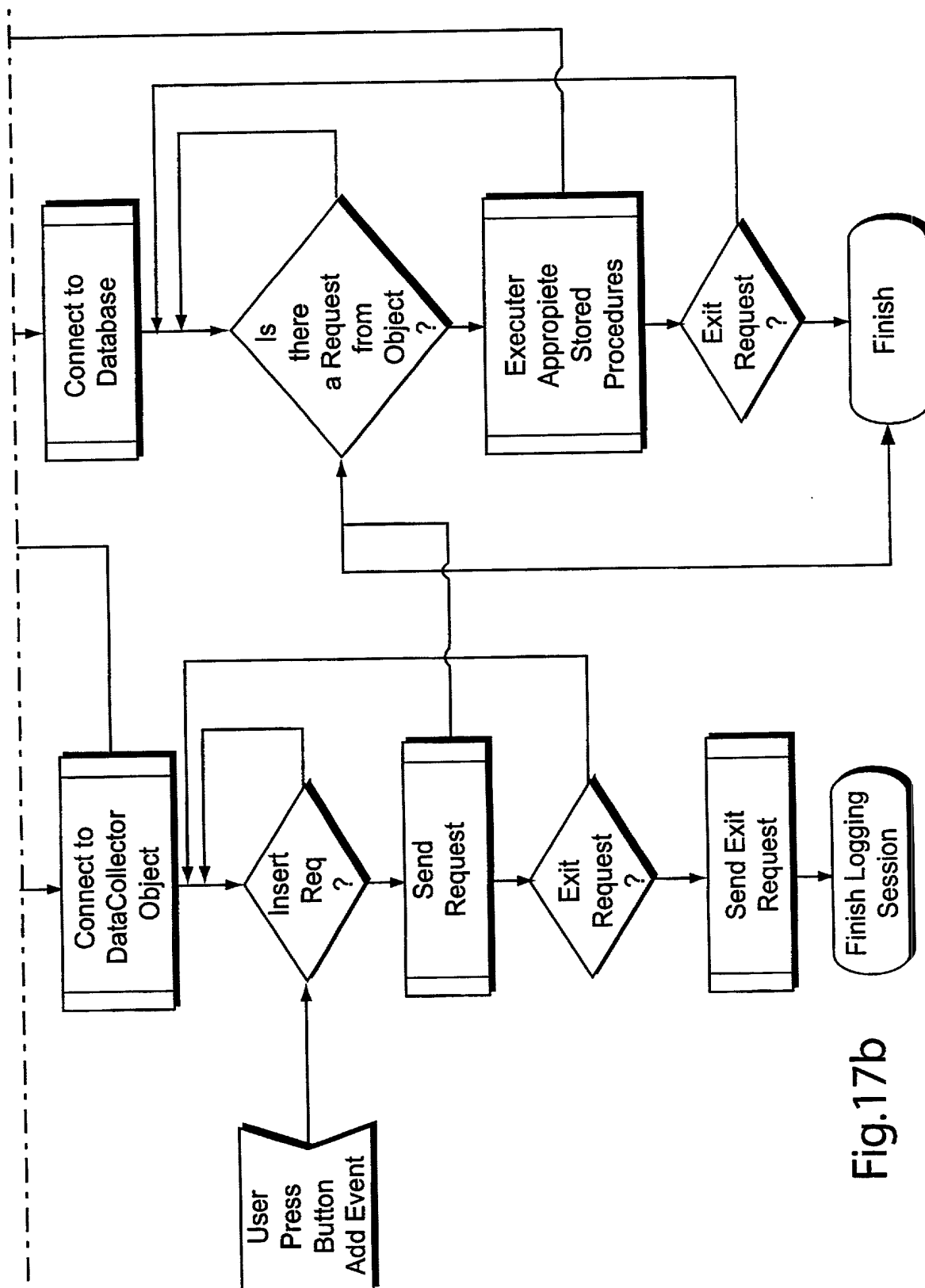


Fig.17b

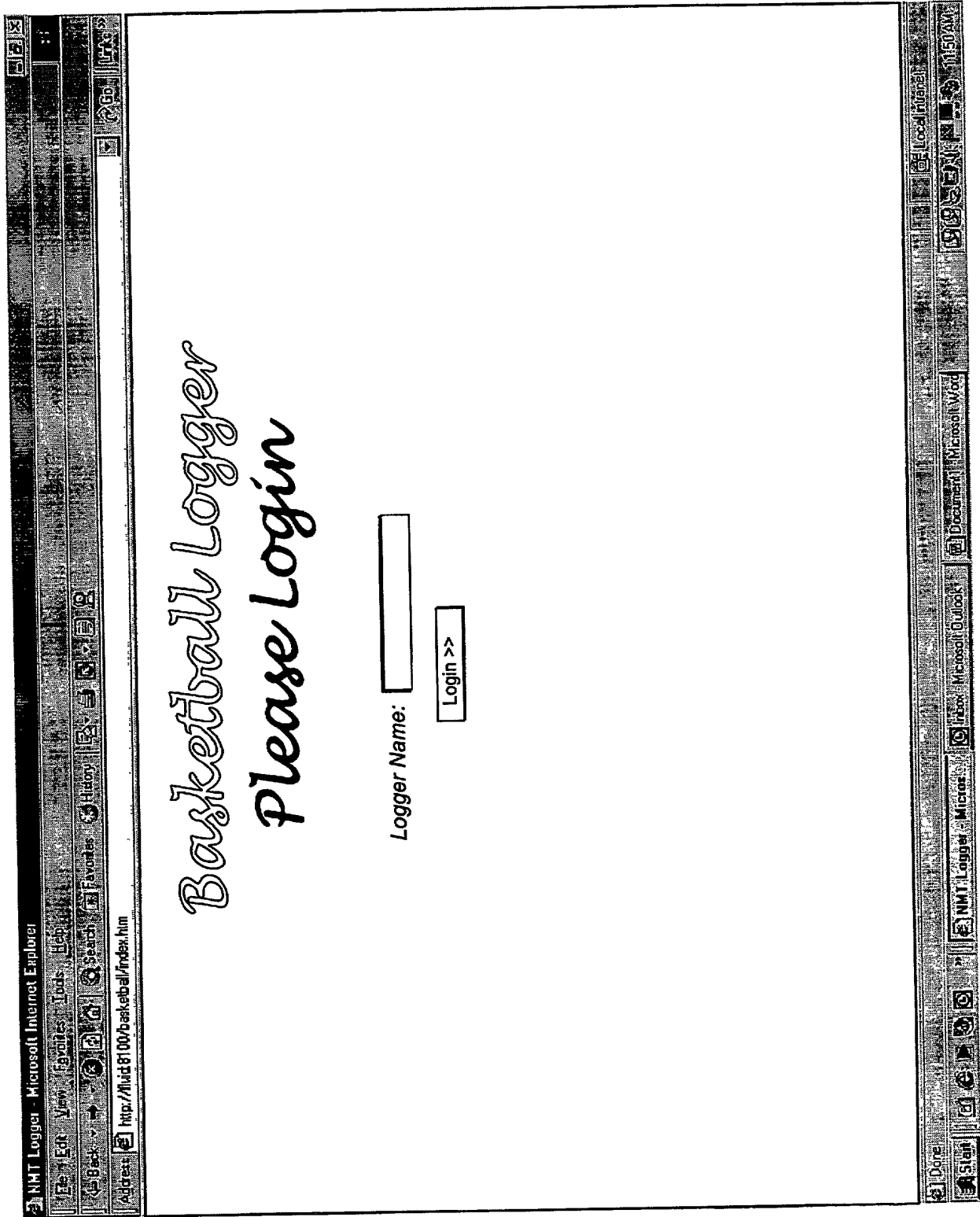


Fig.18

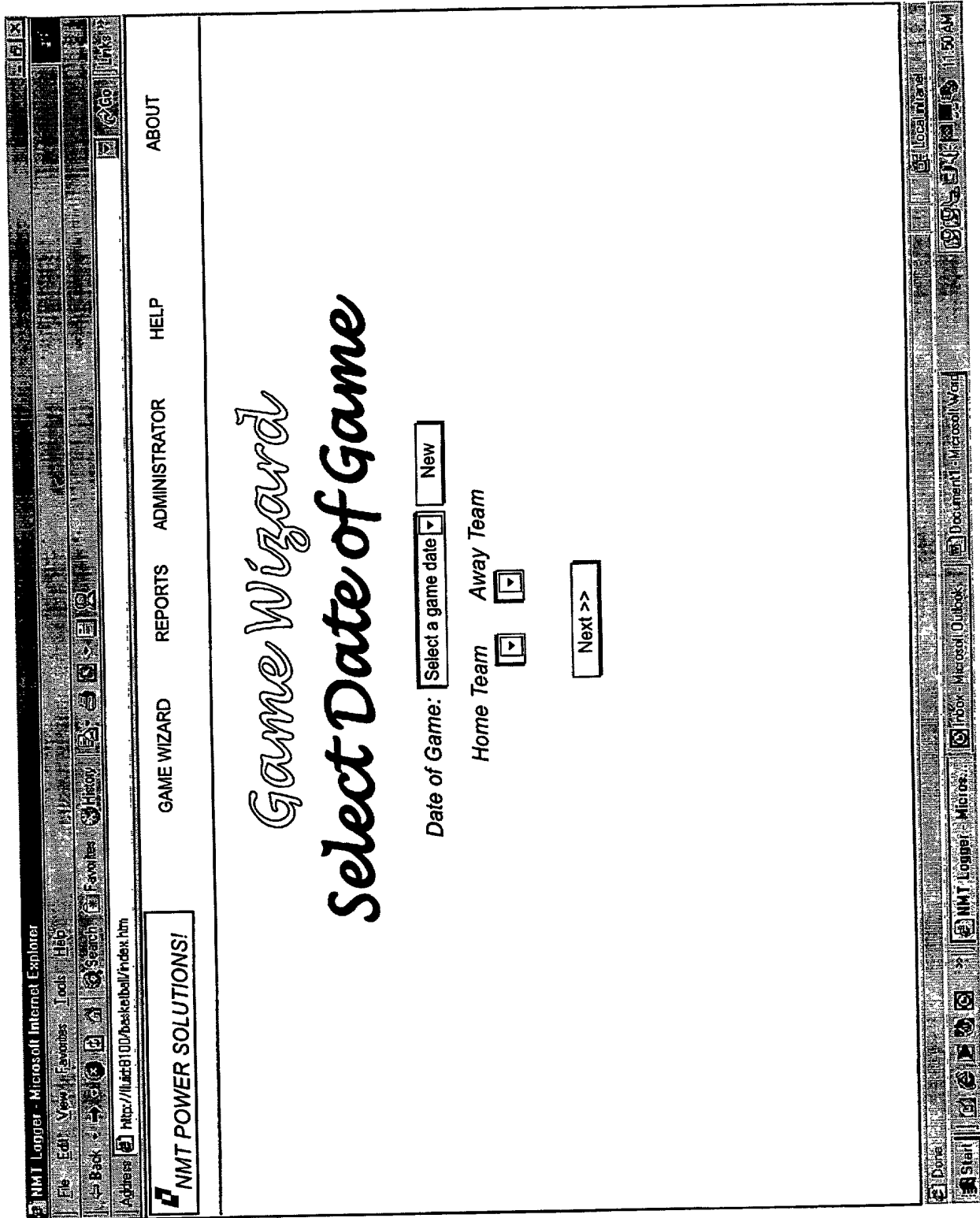


Fig.19

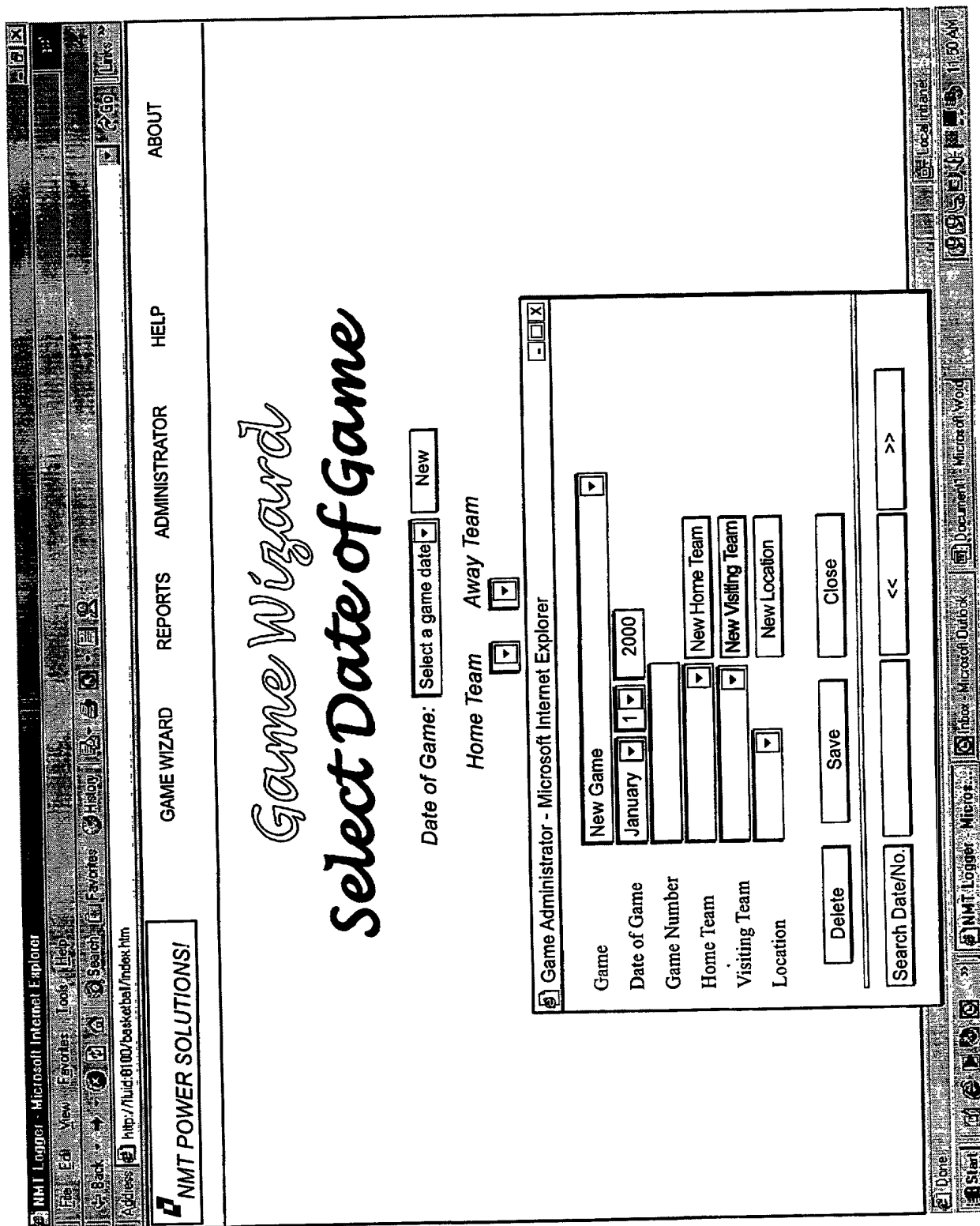


Fig.20

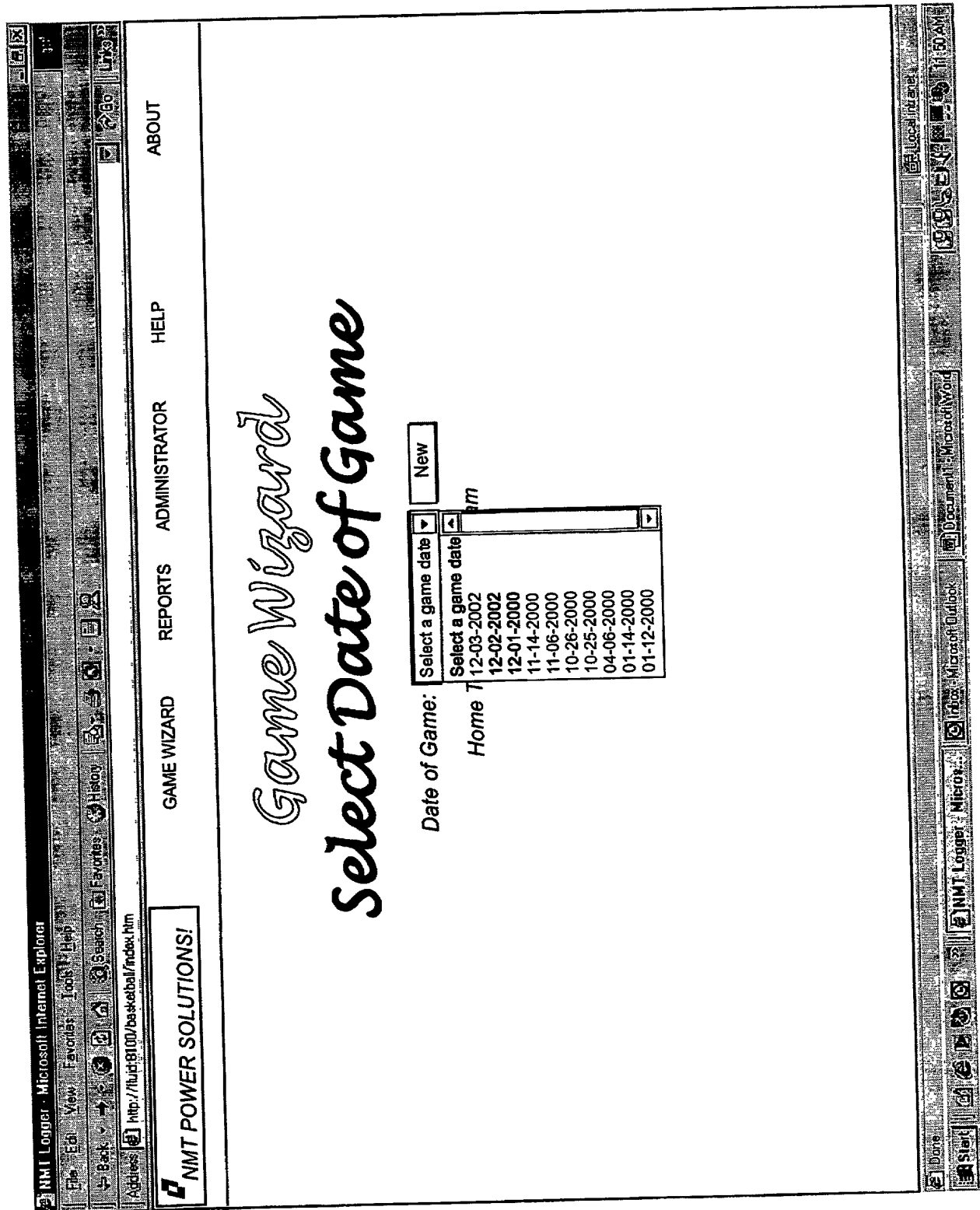


Fig.21

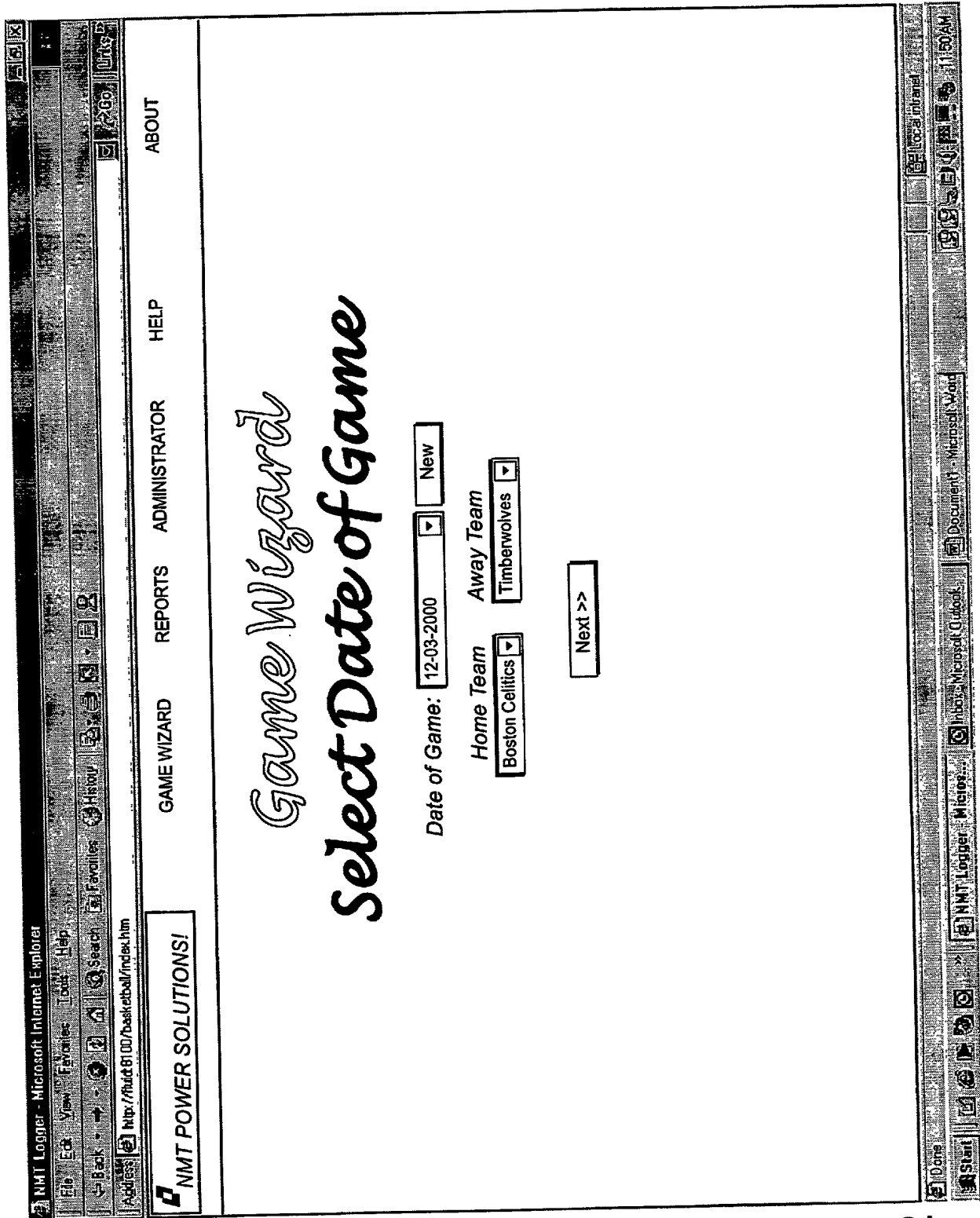


Fig.22

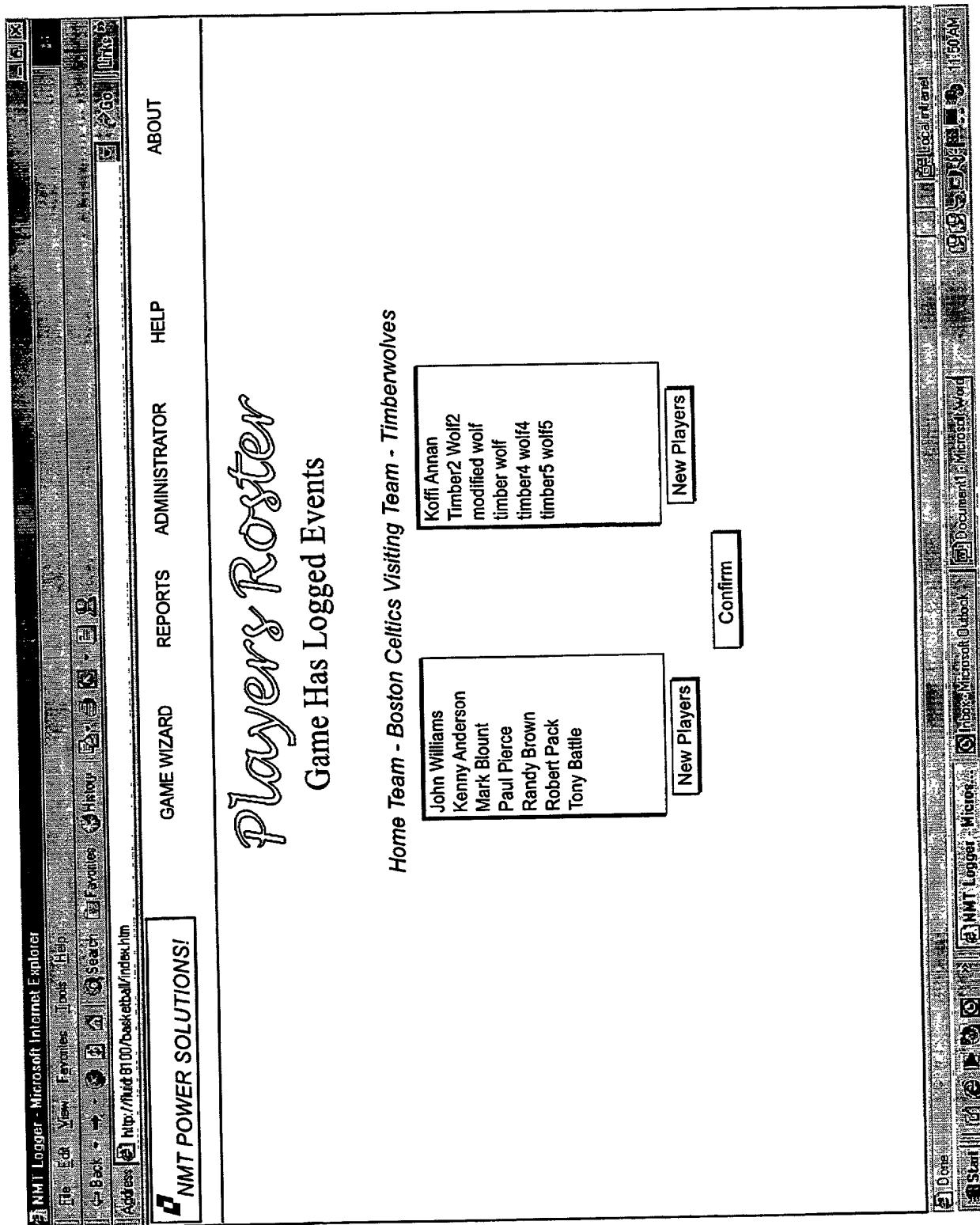


Fig.23

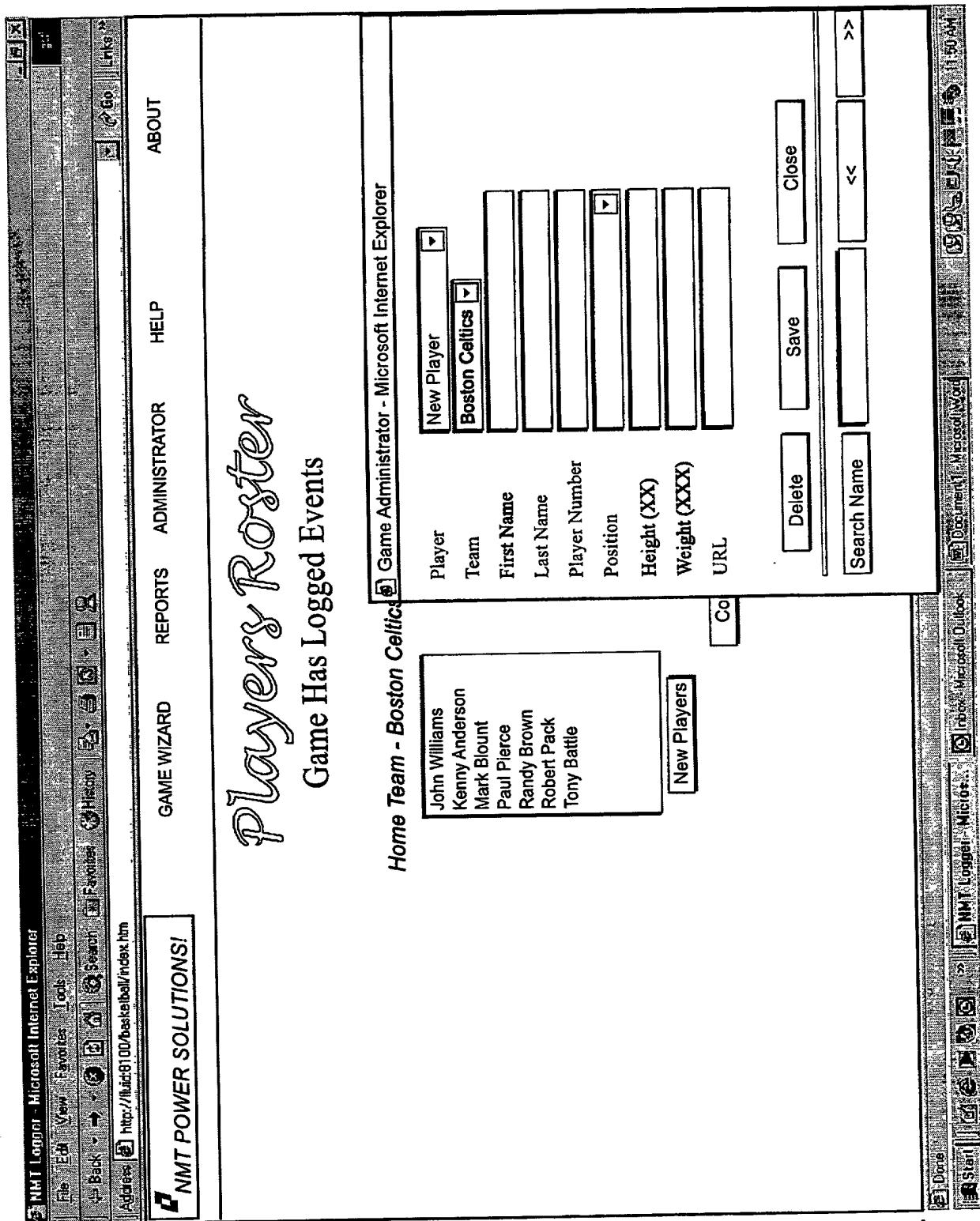


Fig.24



						GAME WIZARD	REPORTS	ADMINISTRATOR	HELP	ABOUT
--	--	--	--	--	--	-------------	---------	---------------	------	-------

<div>0</div>	Boston Celtics	<div>0</div>	Timberwolves	<div>0</div>
1 Anderson	<div>0</div>	1 Annan	<div>0</div>	
2 Battle	<div>0</div>	2 Plyer	<div>0</div>	
3 Blount	<div>0</div>	3 Wolf2	<div>0</div>	
4 Brown	<div>0</div>	4 Wolf1	<div>0</div>	
19 Williams	<div>0</div>	5 Wolf4	<div>0</div>	
22 Pack	<div>0</div>	15 Wolf5	<div>0</div>	
23 Pierce	<div>0</div>			

00:06:51

Set Pause

Cam1 Cat Pink Green A C B

Scoring			
2Pts	Dunk	Free Throw	3Pts
Drive	Alley-Oop	Missed Shot	
Fast Break	Tip-In		

Movement			
Assist	Time Over	Pers. Foul	Blocked Shot
Rebound	Steal	Injury	Time Out
Off Rebound	Violation	Fight	Triangle Defence
Back Door Play			

Cutaway	
Coach	Fan Bench

Description	
Blooper	Highlight Buzzer Beater

Comments

00:06:48

Get Time

Add Event

Del Event

Quick Report

Game Over



Fig.27

Quick Report

Time	Boston Celtics	H Events	H PTS	V PTS	V Events	Timberwolves	Comments	cam1	cat	Pink	Green	A	C	B
00:00:00	Kenny Anderson	Violation	0	0				0	0	0	0	0	0	0
00:00:00	Paul Pierce	Rebound	0	0			Pierce Rebound...	0	0	0	0	0	0	0
00:00:00	Paul Pierce			0			Blooper,	0	0	0	0	0	0	0
00:00:00	Paul Pierce			0			Get the time code	0	0	0	0	0	0	0
00:02:00				0			BC back door play	0	0	0	0	0	0	0
00:02:30			0	0	Bench		Bench, The Bench, The Bench!!!! @#%\$%^&*()_+	0	0	0	4	0	0	0
00:02:41			0	0			Fan	0	0	0	0	0	0	0
00:03:18	John Williams	Bench	0	0			Bench	0	0	0	0	0	0	0
00:03:31			0	0			Coach	0	0	0	0	0	0	0
00:03:52	Robert Pack	Coach	0	0			Coach	0	0	0	0	0	0	0
00:04:05			0	0			Coach	0	0	0	0	0	0	0
00:06:48	John Williams	2 Pts	2	0			Highlight,	0	2	3	4	0	0	0

CLOSE

Fig.28

Fig. 29

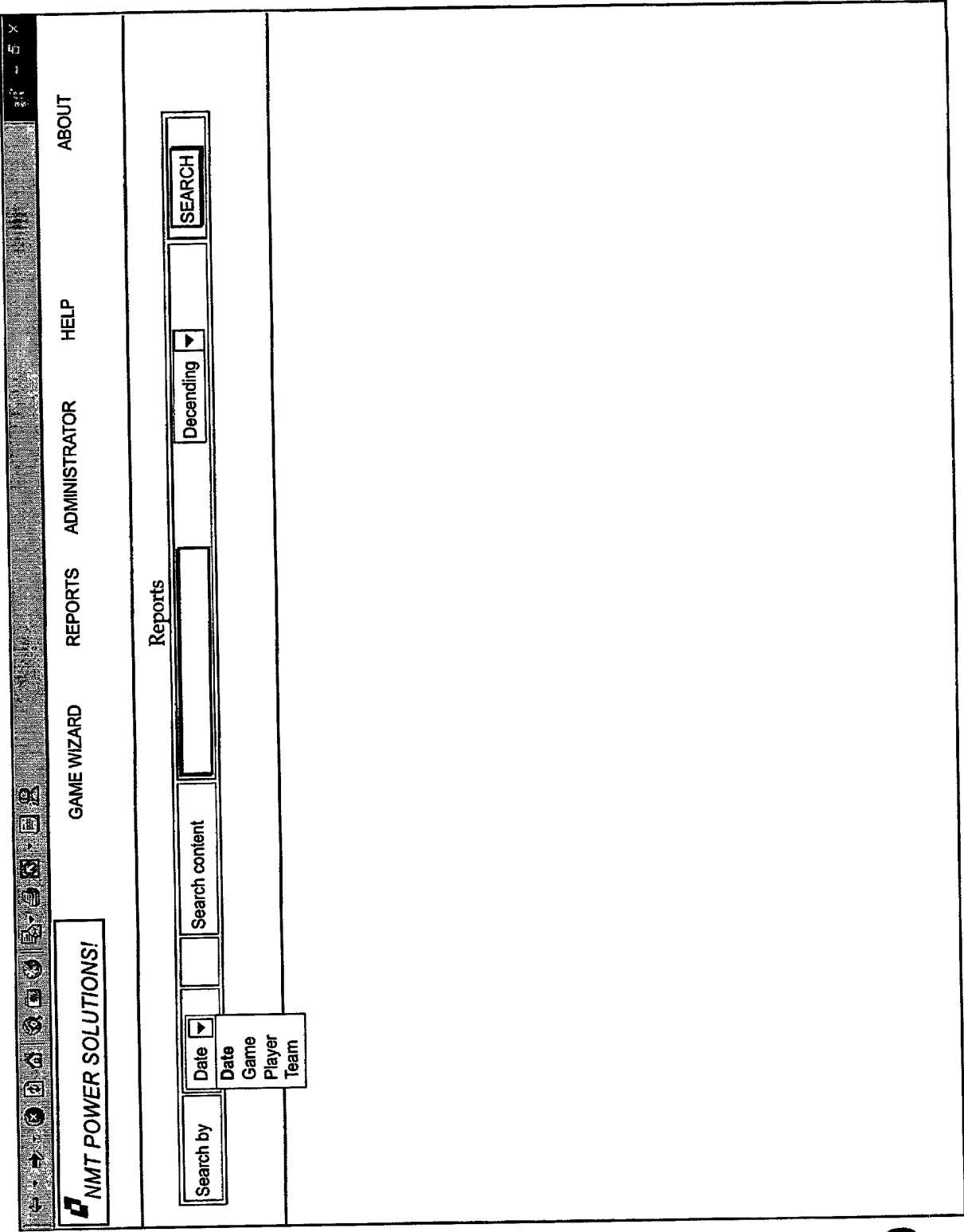



Fig.30


NMT POWER SOLUTIONS!

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[REPORTS](#)
[GAME WIZARD](#)

Search by

Player ▼

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Reports

Ascending ▼

Search

Players List

PLAYER	TEAM
Allan Houston	New York Knicks
Alonzo Mourning	Miami Heat
Blue Edwards	Miami Heat
Calbert Cheaney	Denver Nuggets
Charlie Ward	New York Knicks
Chris Carr	Chicago Bulls
Chris Childs	New York Knicks
Chris Dudley	New York Knicks
Clarence Weatherspoon	Miami Heat
Cory Alexander	Denver Nuggets
Dan Majerle	Miami Heat
Dan McClintock	Denver Nuggets
David Wingate	New York Knicks
Duane Causwell	Miami Heat
Eric Williams	Miami Heat
Evan Eschmeyer	New Jersey Nets
George McCloud	Denver Nuggets
Georgie Muresan	New Jersey Nets
Jamal Mashburn	Miami Heat

Fig.31

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[REPORTS](#)
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Games List

Player :Allan Houston

GAME	Game Date	TEAM	Time	EVENT	COMMENTS
1222002	12-02-2002	New York Knicks	00:04:10		missed shot.....triangle offense.....
1222002	12-02-2002	New York Knicks	00:05:29	Turn Over	Turn Over 1213233.....
11256650	11-06-2000	New York Knicks	00:23:47	3 Pts	
11256650	11-06-2000	New York Knicks	00:35:18	Drive	
23	10-26-2000	New York Knicks	13:03:41	2 Pts	
23	10-26-2000	New York Knicks	13:04:40	Time Out	
23	10-26-2000	New York Knicks	13:08:39	Free Throw	
23	10-26-2000	New York Knicks	13:08:50	Free Throw	
01142000	01-14-2000	New York Knicks	00:00:10	Turn Over	

Fig.32

SPORTS - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites History

Address http://fluid8100/basketball/pt/ame.htm

NMT POWER SOLUTIONS!

GAME WIZARD

REPORTS

ADMINISTRATOR

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Search by

Player

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Reports

Team : New York Knicks

Games List

Game Date	GAME
12-02-2002	1222002
11-14-2000	13
11-06-2000	11062000
11-06-2000	11256650
10-26-2000	23
10-25-2000	21
10-25-2000	22
04-06-2000	254550056
01-14-2000	01142000

Fig.33

SPORTS - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites

Address http://flut8100/backetball/frame.htm

NMT POWER SOLUTIONS!

GAME WIZARD REPORTS ADMINISTRATOR HELP ABOUT

Reports

Search by Search content Ascending

Games List

GAME	Game Date	TEAM	Time	EVENT	COMMENTS
1222002	12-02-2002	Boston Celtics	00:00:18	Fan	Fan, The fans cheer for their team...
1222002	12-02-2002	New York Knicks	00:00:51	Fan	Fan, New York Fans are Cheering!!!
1222002	12-02-2002	New York Knicks	00:01:50	Dunk	Highlight,Dunk!!! 1234567890
1222002	12-02-2002	Boston Celtics	00:02:24	Free Throw	Buzzer Beater,Buzzer Beater!@#%*^&*0
1222002	12-02-2002	New York Knicks	00:02:46		3-points shot!@#%*^&*0
1222002	12-02-2002	Boston Celtics	00:03:17		back-door, back door 123544879
1222002	12-02-2002	New York Knicks	00:03:40		oooooooo, alley..... oop+++++++
1222002	12-02-2002	New York Knicks	00:04:10		missed shot...triangle offense.....
1222002	12-02-2002	Boston Celtics	00:04:28	Fast Break	Coach, coach cheering as well....
1222002	12-02-2002	New York Knicks	00:04:43	Tip-in	gagagagaga
1222002	12-02-2002	Boston Celtics	00:05:09	Assist	We Assist, We Assist, WA
1222002	12-02-2002	New York Knicks	00:05:29	Turn Over	Turn Over1213233.....
1222002	12-02-2002	Boston Celtics	00:05:43	Pers Foul	Blooper,Personal Foulll
1222002	12-02-2002	New York Knicks	00:06:02	Blocked Shot	when Shot is Blocked!@@@
1222002	12-02-2002	New York Knicks	00:09:51	Steal	Bench, Buzzer Beater,Ewing Steals

Done Stop Back Forward Home Microsoft Document M...

12:21 PM

Fig.34

NMT POWER SOLUTIONS!

GAME WIZARD

REPORTS

ADMINISTRATOR

HELP

ABOUT

Search by

Player

Search content

Ascending

Search

Log Report
 Date of Game :12-02-2002
 Game# :1222002

Boston Celtics	H_EVENTS	H_PTS	Time	V_PTS	A_EVENTS	New York Knicks	COMMENTS	cam	cat	Pink	Green	A	C	B
	Fan	0	00:00:18	0			Fan, The fans cheer for their team...	0	0	0	0	0	0	0
		0	00:00:51	0	Fan		Fan, New York Fans are Cheering!!!	1	2	3	4	5	6	7
		0	00:01:50	2	Dunk	Chris Childs	Highlight, Dunk!!! 1234567890	0	0	0	0	0	0	0
Tony Battle	Free Throw	1	00:02:24	2			Buzzer Beater, Buzzer Beater!(@#%&^&*!)	0	0	0	0	0	0	0
		1	00:02:46			Larry Johnson	3-points shot!(@#%##@%	0	0	0	0	0	0	0
Mark Blount			00:03:17	2			back-door, back door 123544879	0	0	0	0	0	0	0
		1	00:03:40			Chris Dudley	ooooo, alley----- oop+++++++	0	0	0	0	0	0	0
		1	00:04:10			Allan Houston	missed shot.... triangle offense.....	0	0	0	0	0	0	0
Randy Brown	Fast Break	3	00:04:28	2			Coach, coach cheering as well....	0	0	0	0	0	0	0
		3	00:04:43	4	Tip-in	Marcus Camby	gagagagaga	0	2	3	4	5	6	7
John	Assist	2	00:05:00	4			WFA Assist WFA Assist WFA	1	0	0	0	0	0	0

Fig.35

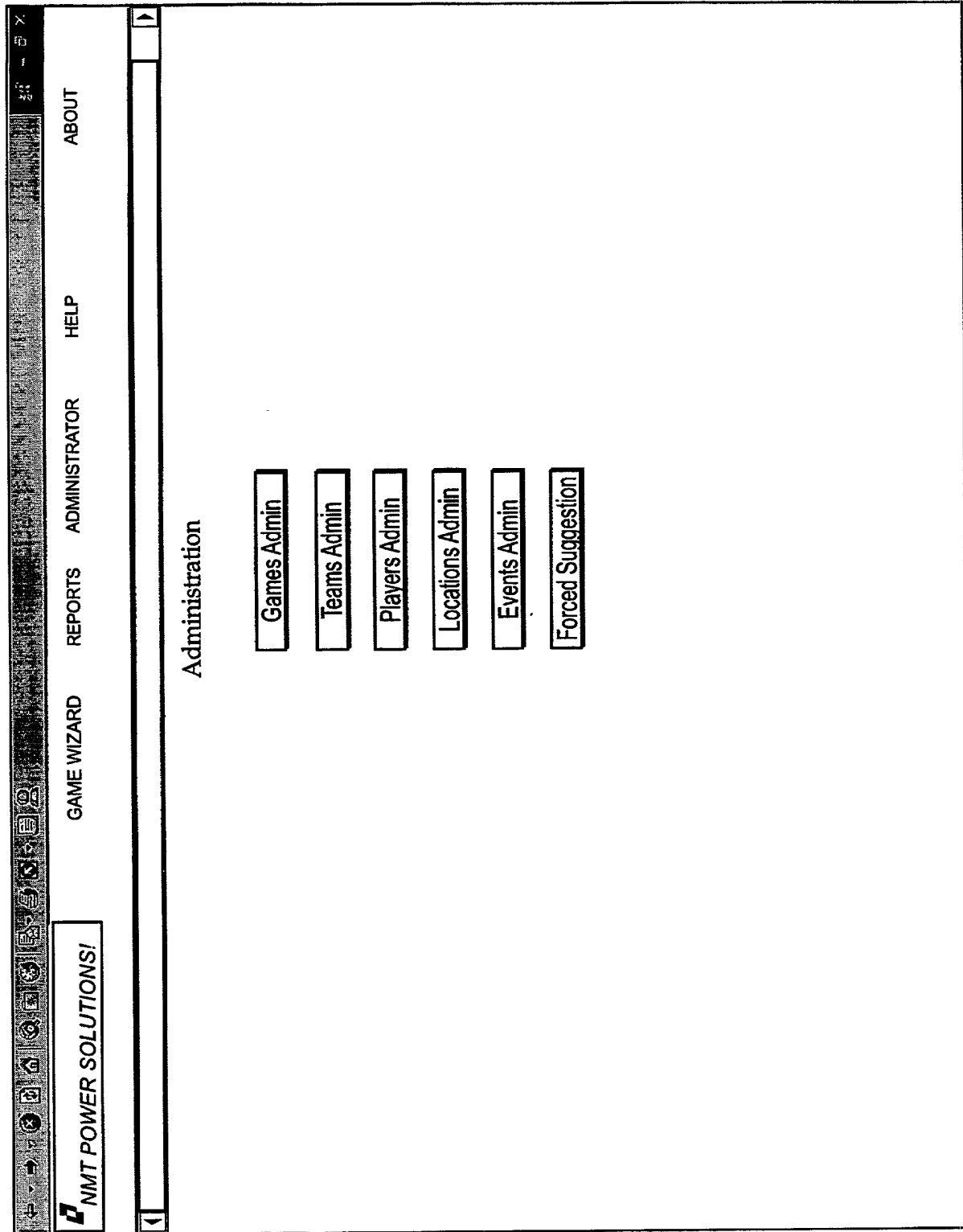


Fig.36

Fig.37

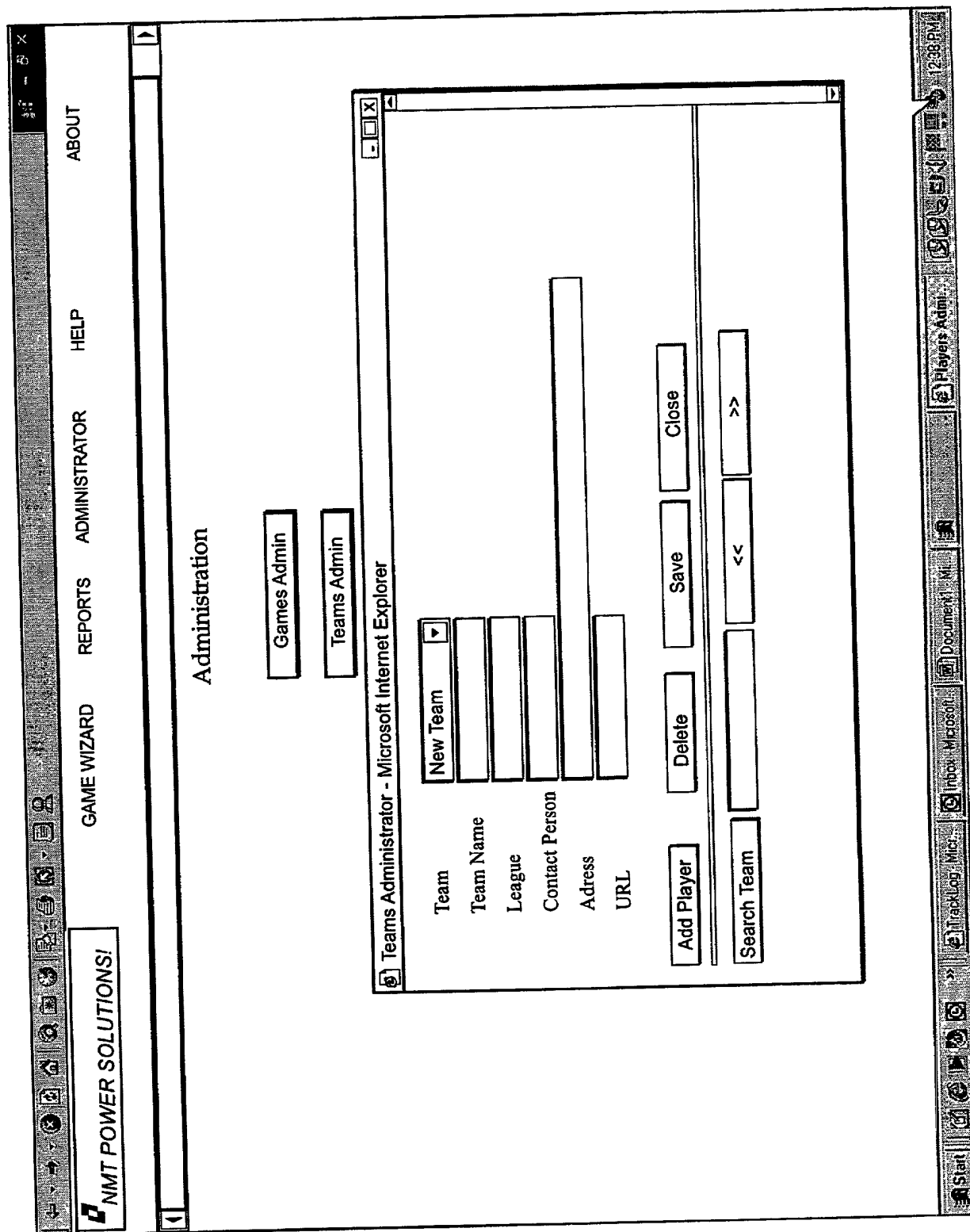


Fig. 38

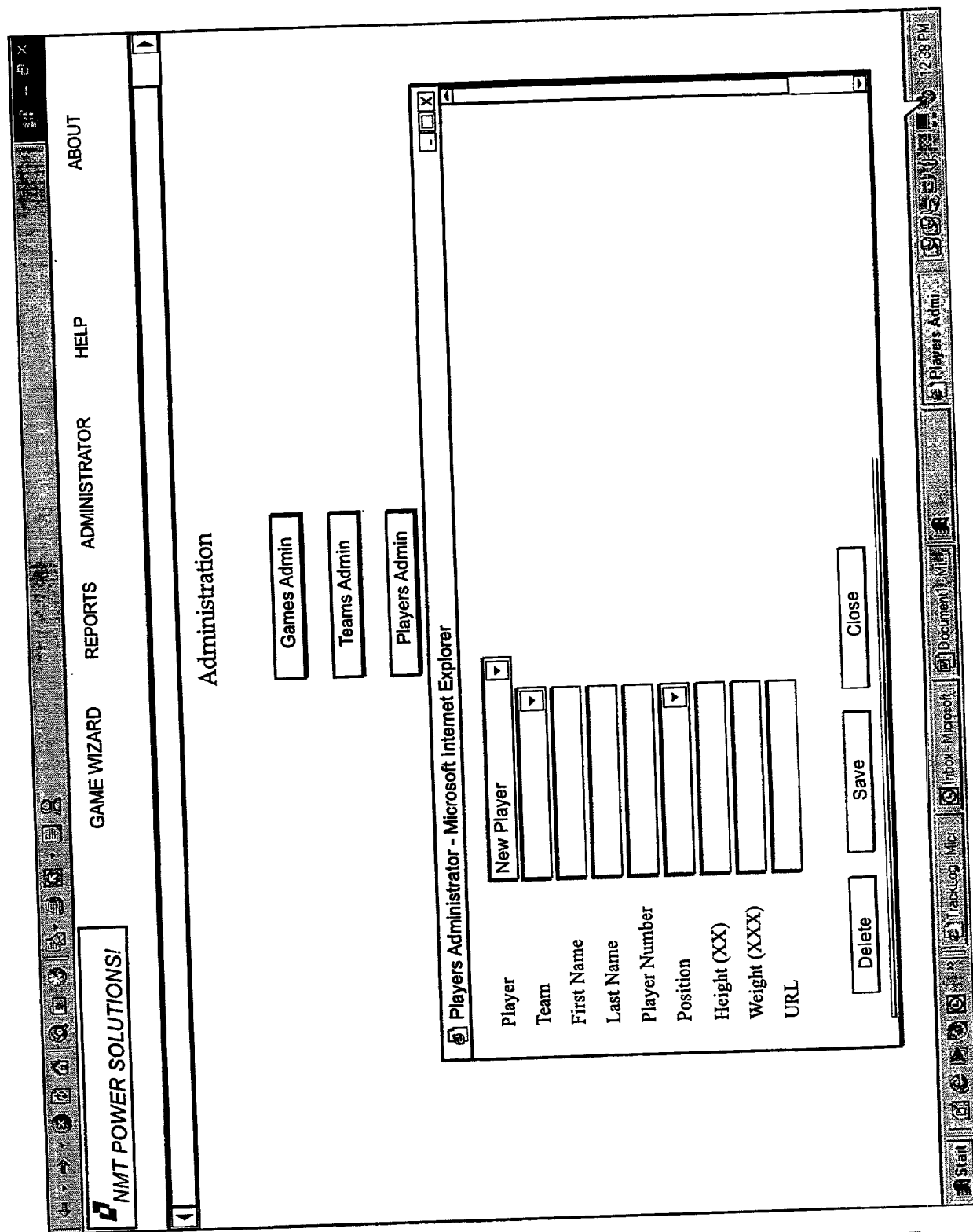


Fig. 39

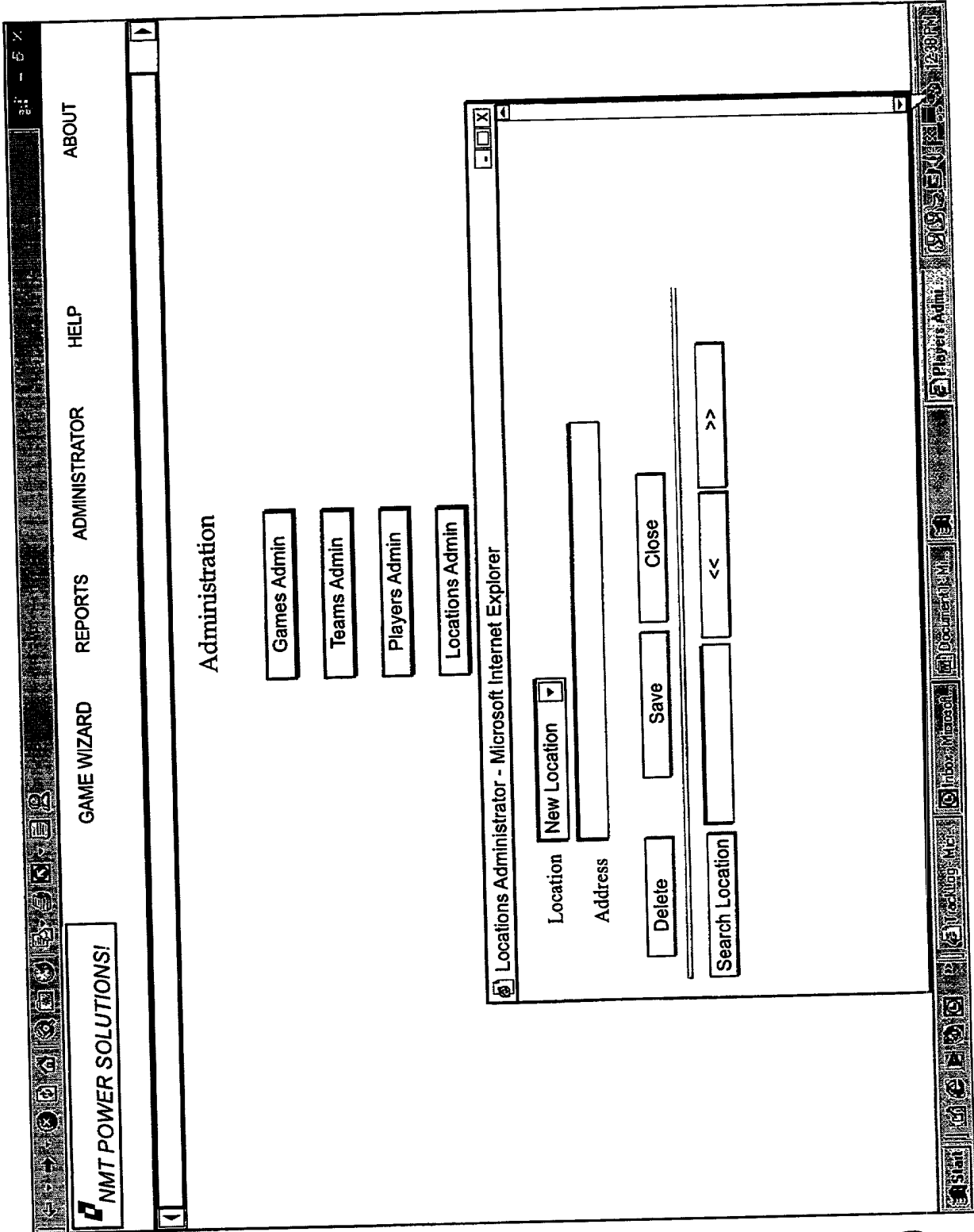


Fig.40

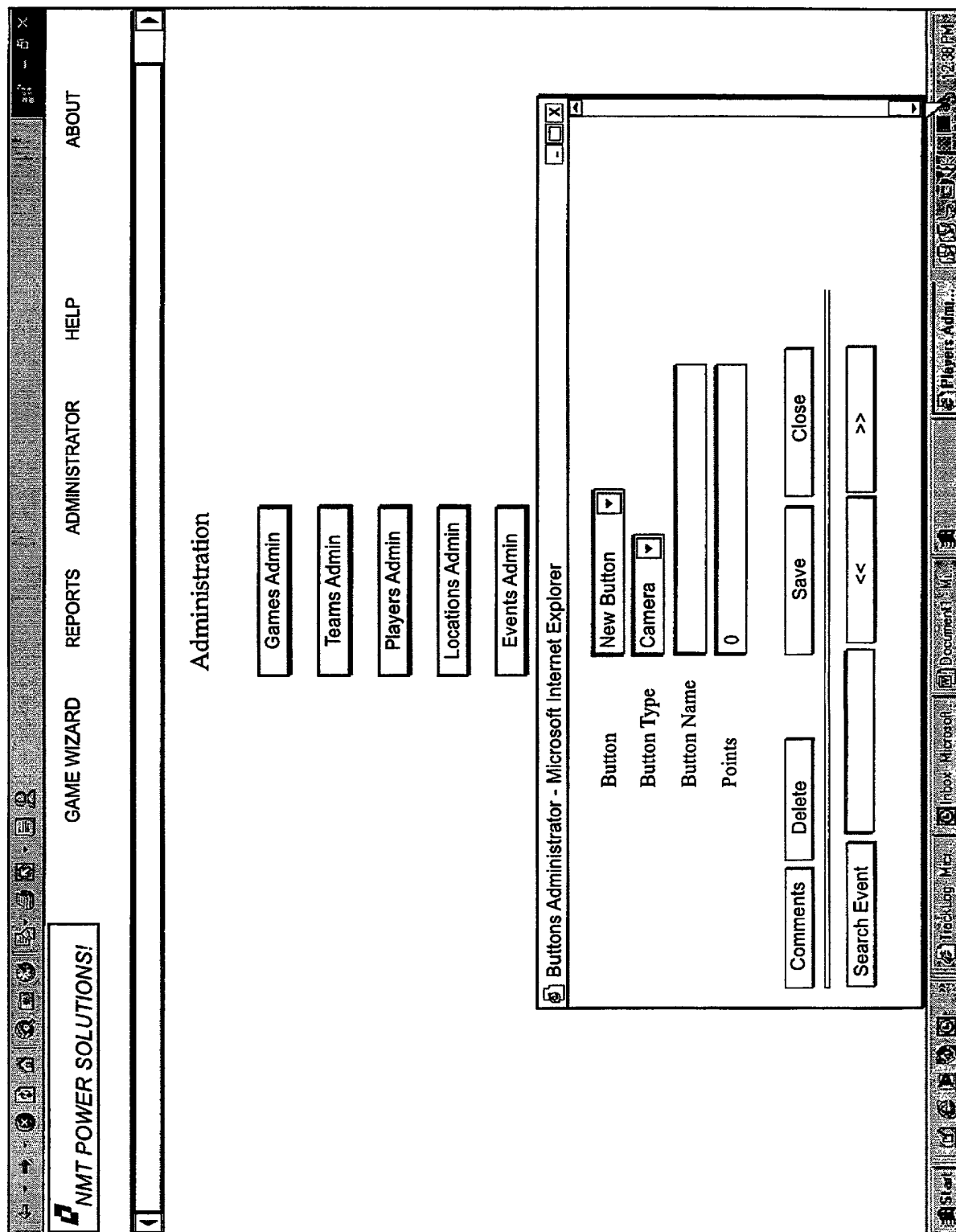


Fig.41

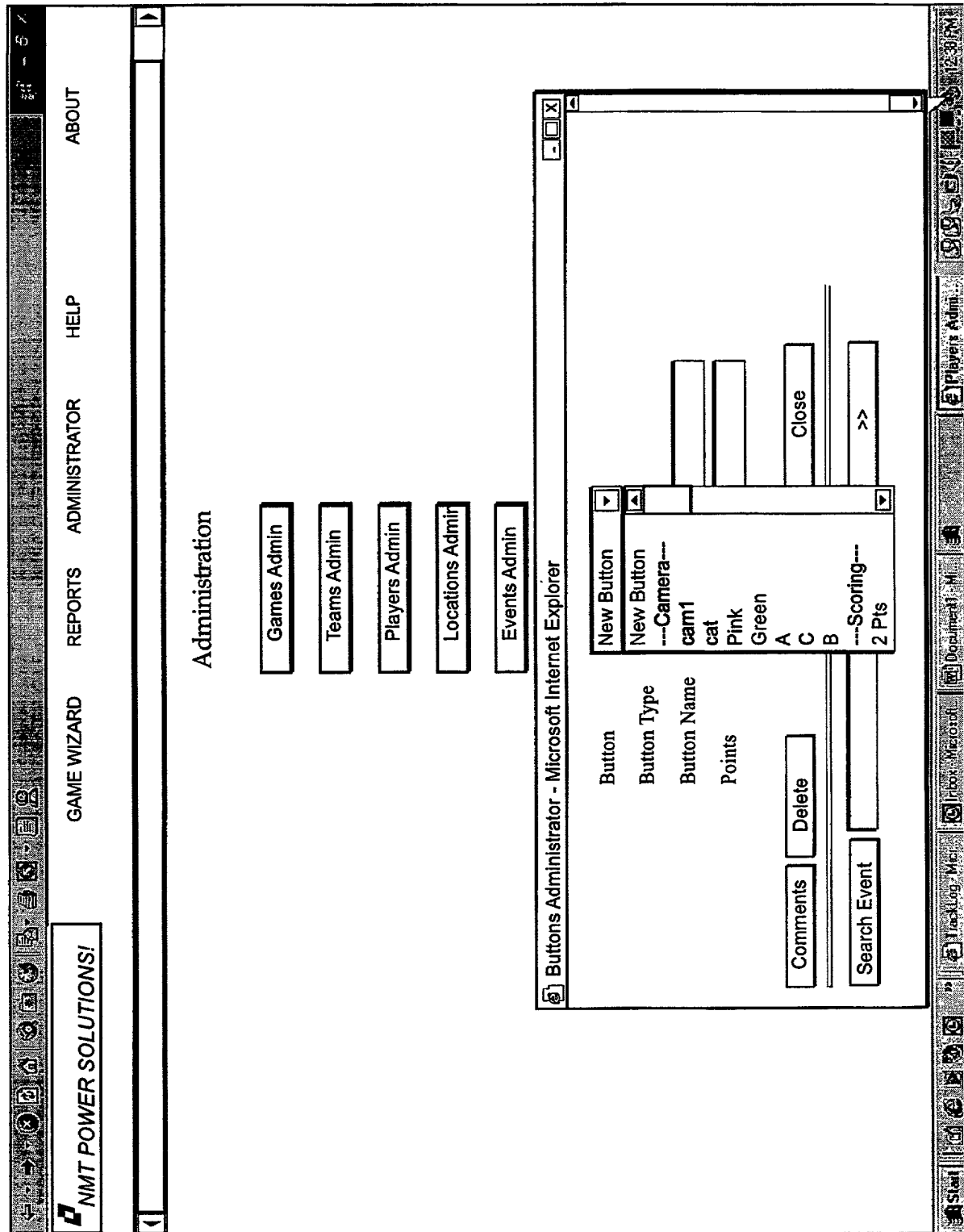


Fig.42

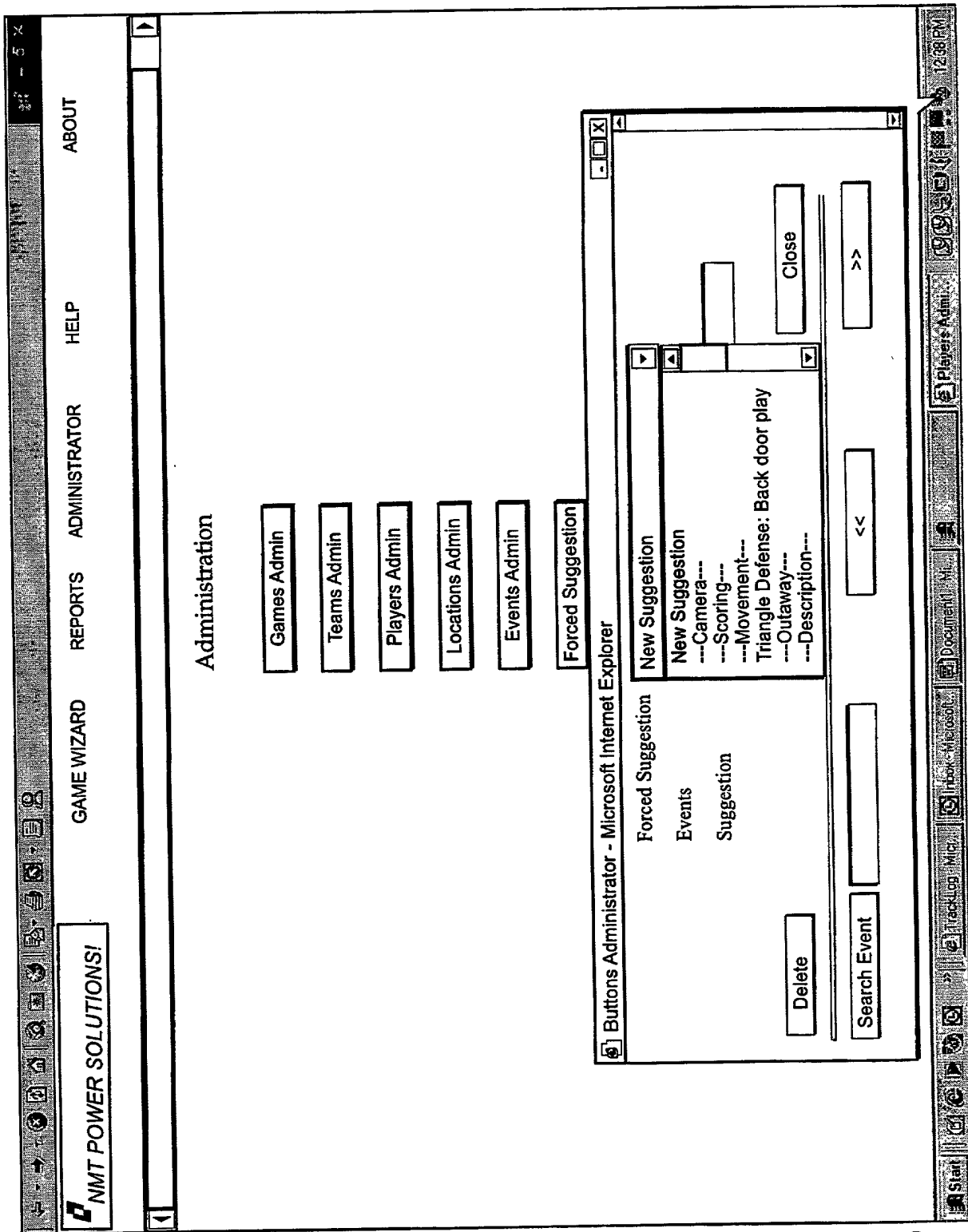


Fig.43

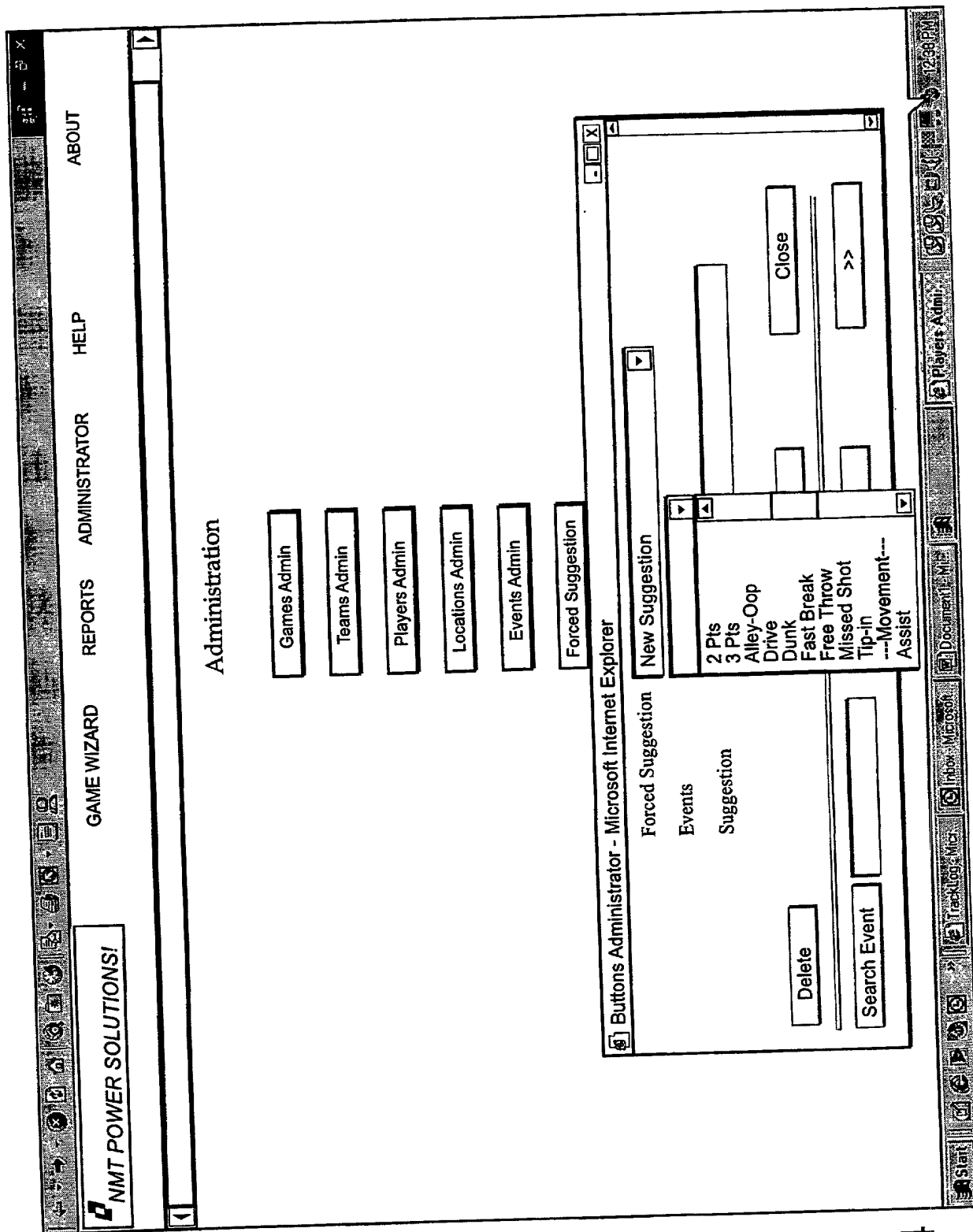








Fig.44


NMT POWER SOLUTIONS!

NEW JERSEY DEVILS vs. DALLAS STARS

Home Team: NEW JERSEY DEVILS

DEVILS TAKE THE ICE	FIGHT DEVELOPS	HARD CHECK & PUNCH
SHOT ON GOAL	HARD CHECK	FACE OFF & BREAKAWAY
SHOT ON GOAL 2	SHOT ON GOAL 3	SHOT ON GOAL 4
SHOT ON GOAL 5	SHOT ON GOAL 6	SHOT ON GOAL 7
SHOT ON GOAL 8	SAVE	SAVE 2
HARD CHECK 2	FAN - BRODEUR'S WIFE	FAN
FAN - "LET'S GO DEVILS"	FAN - BRODEUR'S WIFE SCARED	GOALIE: BRODEUR STUNNED
BREAKAWAY		

Visiting Team: DALLAS STARS

BENCH	FACE OFF	FACE OFF 2
SHOT ON GOAL: OFFEN/DEF.	SHOT ON GOAL 2	GOALIE VIEW
SAVE	SHOT ON GOAL 3	SHOT ON GOAL 4
FACE OFF NIEUWENDYK WINS	SCORED GOAL & CELEBRATION	SAVE/REPLAY

100260" 80090860

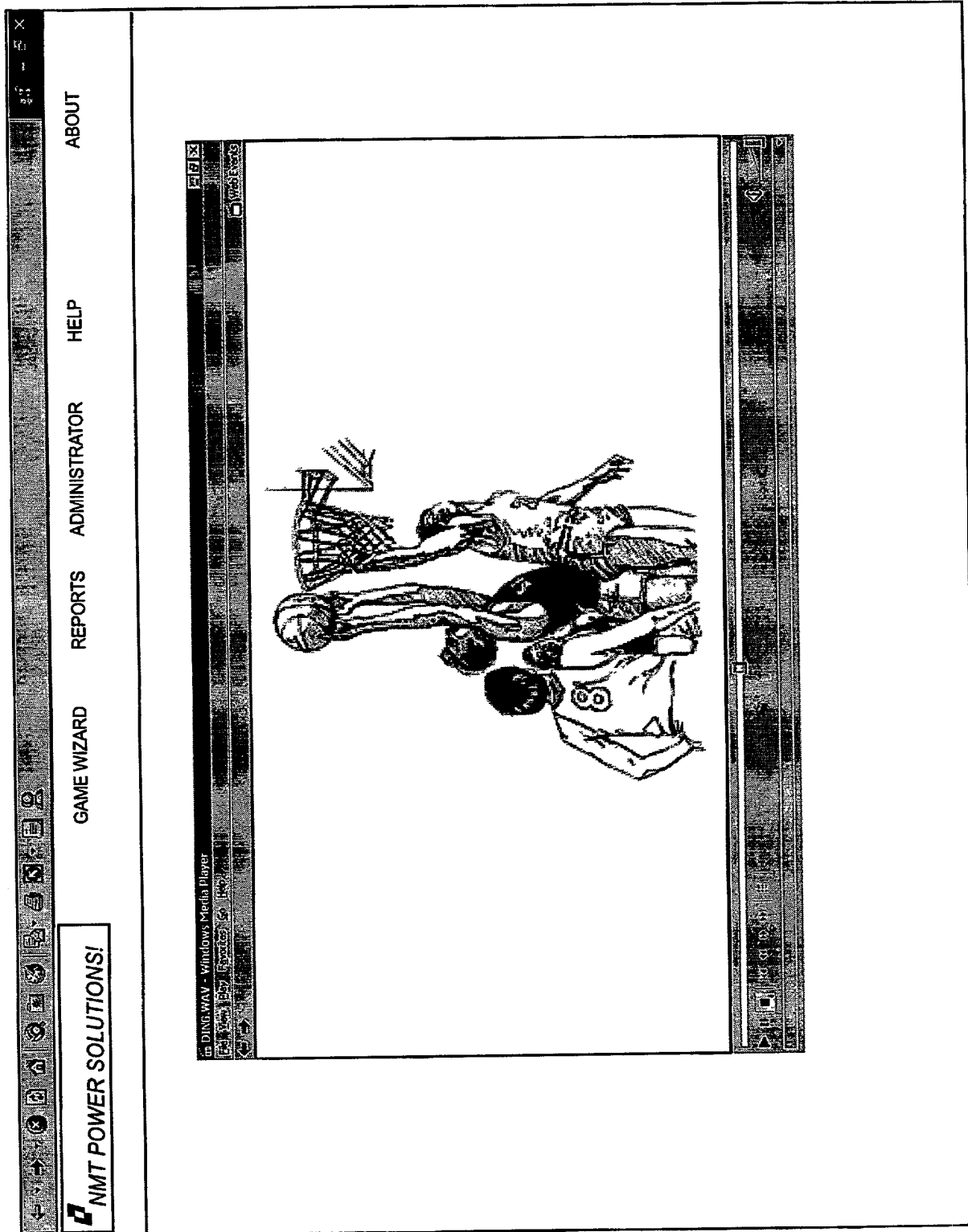


Fig.46